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COELENTERATA

COMPILED BY

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Direction 76. Completion and in certain cases correction of entries relating to the names of genera belonging to the Phyla Protozoa, Coelenterata, Platyhelminthes, Nemathelminthes and Annelida, made on the *Official List of Generic Names in Zoology* by Rulings given in *Opinions* rendered in the period up to the end of 1936. Opin. int. Comm. zool. Nom. **1 E** (14) 1957 : 227-264.

Direction 77. Addition to the "*Official List of Specific Names in Zoology*" (a) of the specific names of thirty-four species belonging to the Phyla Protozoa, Coelenterata, Platyhelminthes, Nemathelminthes, and Annelida, each of which is the type species of a genus, the name of which was placed on the "*Official List of Generic Names in Zoology*" in the period up to the end of 1936, and (b) of five specific names which are currently treated as senior subjective synonyms of the names of such species. Opin. int. Comm. zool. Nom. **1 E** (15) 1957 : 265-292.

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Ziegler, W. Das Marburger Gotlandium. Notizbl. hess. Landesamt. Bodenforsch. **85** 1957 : 67–74 text-figs. 1–4.

II.—SUBJECT INDEX

GENERAL LITERATURE AND HISTORY

Textbooks and General Works.—CHAVAN & CAILLEUX ; Marine and freshwater planktonic coelenterates, DAVIS ; LA ROCQUE & MARPLE.

Popular and semi-popular works.—Coral reefs, BROWAND ; introduction to Malayan jellyfish, SEARLE ; Great Barrier Reef of Australia, ZAHL.

Monographs.—Fossil Madreporaria, ALLOITEAU ; *Limnocoidea*, BOUILLON ; stromatoporoids of the U.S.S.R., [YAVORSKII, also YAVORSKII (1)].

Classification and Nomenclature.—Systematic position of *Goniomus vertens*, [NAUMOV] ; Capitulate hydroids and medusae, REES ; Moerisiidae belong to the Sub-Order Capitata of the Order Anthomedusae, REES (2) ; taxonomic characters and specific diagnosis in stromatoporoids, FLÜGEL ; proposed designation of lectotypes for three taxa of graptolites, and the placing of five specific names on the "Official List of Specific Names in Zoology", BULMAN ; graptolite classification, [OBUT] ; *Palmatophycus* a dendroid graptolite, BOUČEK ; proposed validation of the generic name *Aurelia*, REES (1) ; the type species of *Physalia*, DIRECTION 76 ; *Holothuria physalis* and *Lithostrotion striatum* added to the "Official List of Specific Names in Zoology", DIRECTION 77 ; validity of *Spongodes*, TIXIER-DURIVAUT & PREVORŠEK ; classification of fossil alcyonarian sclerites, DEFLANDRE-RIGAUD ; Halysitidae classification, HAMADA (1).

Terminology.—For stromatoporoids, GALLOWAY & ST. JEAN ; of the Madreporaria, ALLOITEAU.

Technique.—Mass fixation of *Hydra*, HANCE ; use of dry peels in the study of the structure of fossil corals, MONTANARO-GALLITELLI.

Fauna of Germany, FÜLLER.

G. H. Kirchenpauer's investigations in the estuary of the R. Elbe, KÜHL.

Observations on *Craspedacusta sowerbii*, in Virginia, U.S.A., RICE.

Index of graptolite genera, [OBUT].

Precious coral, PAX (2).

Intraspecific differentiation in *Actinia* [ZHIRMUNSKY].

STRUCTURE

Correlation between the number of tentacles and the size of *Pelmatohydra oligactis*, CHANG & CHIEN ; *Hydra*, HESS, COHEN & ROBSON ; nematocysts of *Hydra*, ISSIDORIDES, BEAMS, SEDAR & EVANS ; individuality of cell-types in *Hydra*, SANYAL & MOOKERJEE (1) ; variation in *Halammohydra*, SWEDMARK ; *Limnocoidea*, BOUILLON ; histology of the nettle-ring, nematocysts, marginal canal, velum and tentacles of *Limnocoidea tanganyicae*, BOUILLON, CASTIAUX & VANDERMEERSCH ; the mesogloea in hydro- and scyphomedusae, BOUILLON & VANDERMEERSCH ; hermaphroditism in a hydrozoan, [KULIKOVA] ; *Campanularia caliculata* including the male, STEFANI ; the hydranth of *Cladonema radiatum* var. *mayeri*, HIRAI & KAKINUMA (1) ; *Monobrachium parasitum*, [NAUMOV (3)] ; variation in *Obelia geniculata* and *Silicularia bilabiata*, RALPH ; Capitulate hydroids and medusae, REES ; †stromatoporoids, [YAVORSKI] ; dendroid graptolites, BOUČEK (1) ; graptolites, DECKER & GOLD ; reduction of stipes and elaboration of thecae in graptolites, MU ; variation in †*Monograptus*, SUDBURY (1) ; graptolites of Poland, [VYALOV, DIKENSHTIN & OBUT] ; septal and wall structure of the †Halysitidae, HAMADA ; †*Thecia*, LE MAÎTRE (1) ; †*Permosoma*, TERMIER & TERMIER (1) ; musculo-epithelium in *Metridium*, ROBSON ; the Madreporaria and Helioporidae, ALLOITEAU ; symmetry and septal apparatus in the †Stylinidae, LAFUSTE (3) ; a †*Cystiphyllum* sp. and †*Khmeria importans*, SGARBI ; †*Aspidiscus cristatus*, THOMAS in THOMAS & OMARA ; significance of the ciliated rosettes of the Ctenophora, HADŽI (2).

Chemical constitution.—Protein in a medusan, CHRISTOMANOS ; ribonucleic acid in the eggs of *Laomedea* and *Campanulina*, [KIKNADZE] ; cytochemistry of the cell-types in *Hydra*, SANYAL & MOOKERJEE ; a new contractile principle isolated from *Rhizostoma pulmo*, BOVET & OTHERS ; composition of scleroproteins of Gorgonacea and

Pennatulacea, DUCHÂTEAU & FLORKIN; a triiodothyronine in a gorgonian, ROCHE & JOUAN; a 5-Hydroxytryptamine in *Calliactis parasitica*, MATHIAS, ROSS & SCHACHTER; the nematocyst toxin of *Metridium senile fimbriatum*, PHILLIPS & ABBOTT; pigments of a sea anemone, RAJAGOPAL & SOHONIE.

PHYSIOLOGY

Reflex-actions in coelenterates, EBBECKE; phase-contrast of the dissociated cells in *Hydra*, MOOKERJEE & SANYAL; of *Limnocoidea*, BOUILLON; origin and localisation of the germinal cells in gymnoblastic hydroids, BRIEN; polarized inhibitory effects during regeneration in *Tubularia*, ROSE; daily rhythmic activity of *Cavernularia obesa*, MORI & ONDÔ; rhythmic change of the ammonium content in the body fluid of *Cavernularia obesa*, TAKATA & MORI; effect of temperature and salinity on the head-form of *Cordylophora*, KINNE; adaptation to salinity and temperature in *Cordylophora caspia*, KINNE (1); influence of salinity on Black Sea actinians, [ZHIRMUNSKY & KISELEVA]; a through-conducting system co-ordinating the protective retraction of *Alcyonium*, HORRIDGE; co-ordination of the protective retraction of coral polyps, HORRIDGE (1); responses of *Cerianthus* to stimulation, HORRIDGE (2), ROSS, D. M. (2); excitability and rhythm of activity in *Actinia equina*, PORA & NITU; chemical food-selection by *Actinia equina*, STEINER; hydromechanics of musculo-epithelium in *Metridium*, ROBSON; action of tryptamine and 5-hydroxytryptamine on muscles of sea anemones, ROSS, D. M.; quick and slow contractions in the isolated sphincter of *Calliactis parasitica*, ROSS, D. M. (1); gametogenesis and ovogenesis in *Hydra*, BRIEN; hermaphroditism in a hydrozoan, [KULIKOVA]; asexuality in *Eleutheria dichotoma*, HAUENSCHILD; sexual differentiation in *Hydra*, LOOMIS; action spectrum for gamete release from *Hydractinia echinata*, JENNER & OTHERS.

Nematocysts.—Experiments on the migration of nematocysts in *Eleutheria dichotoma*, HAUENSCHILD (1); nematocysts of *Hydra*, ISSIDORIDES, BEAMS, SEDAR & EVANS; nematocyst toxin of *Metridium senile fimbriatum*, PHILLIPS & ABBOTT.

Regeneration.—The number of tentacles regenerated in *Hydra* in relation to the original number of tentacles, CHANG & WOO; *Cordylophora caspia*, PENZLIN, also PENZLIN (1); regeneration of the scyphistoma in *Cyanea capillata*, [KAUFMAN]; origin of radial organization in the regeneration of actinians, ABELOOS.

Stinging Effects on Man.—Fatal stinging effects of Cubomedusae, SOUTHCOTT.

REPRODUCTION

Reversal of polarity during a sexual reproduction of a hydroid, HAND & JONES; variation in reproduction in relation to genetics, geographical races, & environment, STEFANI; germinal cells in gymnoblastic hydroids, BRIEN; gametogenesis and ovogenesis in *Hydra*, BRIEN (1); *Hydra*, BRIEN (2); duration and periodicity of sexual reproduction in *Hydra parva*, ITÔ; rates of asexual reproduction in two Hydroids, ITÔ (1); fission in *Hydra fusca* as a function of the food supply, VUILLAUME; *Limnocoidea tanganyicae*, BEADLE & THOMAS; *Limnocoidea*, BOUILLON; *Craspedacusta sowerbii*, RICE; a curious form of asexual reproduction in *Bougainvillia*, KRAMP (1); asexual propagation in *Bougainvillia platygaster*, KRAMP (2); asexuality in *Eleutheria dichotoma*, HAUENSCHILD; a possible form of asexual reproduction in *Campanularia volubilis* (p. 311), HAMOND; of *Aurelia aurita*, VANNUCCI (1).

DEVELOPMENT

Egg cleavage in Hydrozoa, [KIK-NADZE]; origin and localisation of the germinal cells in gymnoblastic hydroids, BRIEN; bud-formation in *Hydra*, SANYAL; *Halammohydra*, SWEDMARK & TEISSIER (1); *Limnocoidea*, BOUILLON; *Limnocoidea tanganyicae* from larvae, BEADLE & THOMAS; effect of temperature and salinity on the head-form of *Cordylophora*, KINNE; adaptation to salinity and temperature in *Cordylophora caspia*, KINNE (1); *Cladonema radiatum* var. *mayeri*, HIRAI & KAKINUMA; life-cycle of *Cladonema pacifica*, [NAUMOV (2)]; *Craspedacusta*, REISINGER; the egg and embryonic development of *Eudendrium racemosum*, MERGNER; the gonangia and matura-

tion in *Campanularia caliculata*, STEFANI; factors affecting terminal growth in *Campanularia*, CROWELL & WYTTEBACH; *Hydractinia echinata*, HAUENSCCHILD & KANELIS; metamorphosis in scyphomedusan planulae, [KAUFMAN]; double monster ephytae of *Aurelia aurita*, VANNUCCI (1); *Sagartia leucolena*, SEMBRAT; variation in *Thamnophyllid* corals and morphological changes in the ontogeny of spp. of †*Thamnophyllum*, RÓZKOWSKA; insertion of septa in the later growth stages of †*Palaeosmilia murichisoni*, COOPE; the septal apparatus in the Stylinidae, LAFUSTE (3).

EVOLUTION AND RELATIONSHIPS

Origin and evolution of Coelomates Metazoa, ALVARADO; derivation of the Siphonophora and their relationship to other coelenterates, HADŽI, also HADŽI (1); speciation in coelenterates, SARÁ; *Halammohydra*, SWEDMARK; the hydroids, STEFANI; phylogeny of *Limnocoidea*, BOUILLON; evolution in colonial Hydrozoa, NAUMOV (1); phylogeny of the Pteronematoidea, PICARD; evolutionary trends in the classification of Capitata hydroids and medusae, REES; evolution of the dendroid graptolites, BOUČEK (1); graptolites considered as coelenterates, DECKER & GOLD; stipe reduction and thecal elaboration in graptolites, MU; graptolites, [PAVLINOV (1)]; *Bellonella*, UTINOMI (1); the †Halysitidae, HAMADA (2); the †Chaetetida and the Schizocoralla, [SOKOLOV]; relationships of the operculate corals, TERMIER & TERMIER; phylogeny of the Rugosa, Hexacorallia, and Helioporidae, ALLOITEAU; Rugose corals, KALJO; phylogeny of Devonian Stauriidae, GLINSKI; fossil Madreporaria, KOLOSVÁRY (1), (3); evolution and speciation in †Thamnophyllid corals, RÓZKOWSKA.

ECOLOGY AND HABITS

Treatise on marine ecology, HEDGPETH; treatise on marine paleoecology, LADD; annotated bibliography of ecology of coelenterates other than scleractinia, BAYER (1); distribution in depth of hydroid fauna of the Gold Coast, BUCHANAN; hydro-

zoa of a submerged bank near Mar-seilles, GAUTIER & PICARD; coelenterates of Ostend, LEFEVERE, LELOUP & VAN MEEL; seasonal distribution of the Hydromedusae of the Visakhapatnam Coast, India, GANAPATI & NAGABHUSHANAM; coelenterates of the Gulf of Kutch, GIDEON & OTHERS; bathypelagic hydrozoans and scyphozoans of S. California, HARTMAN & EMERY; hydroids in the succession of marine fouling organisms, ALEEM; programmatic study of marine and brackish water hydrozoa, KINNE (2); planktonic medusae of Honshu, Japan, NAKAI & OTHERS; crawling of *Protohydra*, OMER-COOPER; *Halammohydra*, SWEDMARK; *Limnocoidea*, BOUILLON; *Campanularia caliculata*, STEFANI; a siphonophore, [SAVILOV]; diurnal and seasonal distribution of Siphonophora, LELOUP; environmental conditions and diurnal and seasonal changes in the distribution of Siphonophora of the Florida Current, BSHARAH; seasonal settling of *Bugula* in Japan, MAWATARI & KOBAYASHI, also MAWATARI & KOBAYASHI (1); distribution of *Tetraplatia volitans* in relation to season, depth, salinity, temperature and density, REES & WHITE; the Stromatoporoidea, GALLOWAY & ST. JEAN; annotated bibliography of ecology of graptolites, BULMAN (1); dendroid graptolites, BOUČEK (1); annotated bibliography of ecology of fossil medusae, CASTER; habits of Cubomedusae, SOUTHCOTT; annotated bibliography of ecology of corals, WELLS (1); annotated bibliography of paleoecology of corals, WELLS (2); some anthozoans of the Gulf of Genoa, ROSSI (1); influence of salinity on Black Sea actinians, [ZHIRMUNSKY & KISELEVA]; an American Devonian coral reef, BEERBOWER; a Carboniferous nodule zone in Kansas, MILLER & SINEFORD; food of *Craspedacusta sowerbii*, RICE; chemical food-selection by *Actinia equina*, STEINER; food of corals, HAND; planktonic food of corals, ODUM & ODUM.

Commensalism, Association and Symbiosis.—*Hydra* on aquatic plants, DESCHIENS; a hydroid with pelecypods, CROWELL; epizoa and parasites of *Limnocoidea*, BOUILLON; Narcomedusa larvae attached to Hydromedusae,

KRAMP (2); *Monobrachium parasiticum* on shells, HAND (1); *Kinetocodium danae* parasitic on a pteropod, KRAMP (5); zooxanthellae and coelenterates, ZAHL & McLAUGHLIN.

Coral reefs.—General, BROWAND; general discussion, WELLS; Great Barrier Reef of Australia, ZAHL; coelenterates of Clipperton Island, HERTLEIN & EMERSON; Saipan Mariana Islands, JOHNSON; zonation of corals on Eniwetok Atoll, ODUM & ODUM; geological processes at work on atolls, FOSBERG; Jurassic reefs in France, LAFUSTE, also LAFUSTE (1), (2) and (4); a Carboniferous bioherm in Texas, YOUNG & RUSH; an American Devonian reef, BEERBOWER; Silurian of N. America, LOWENSTAM.

DISTRIBUTION

1.—GEOGRAPHICAL

A.—MARINE

Atlantic Ocean (including Mediterranean and Black Seas).—

Coelenterates of the English Channel and north-western seas, ANCELLIN; coelenterates of Plymouth, England, RUSSELL (2); coelenterates of Pembrokeshire, BASSINDALE & BARRETT; coelenterates of Northumberland, BOSANYI; coelenterates of Ostend, LEFEVERE, LELOUP & VAN MEEL; medusae from the North Atlantic, PETERSEN; coelenterates of Algeria, DIEUZEIDE & ROLAND; Hydromedusae of the "Discovery" collections, KRAMP (2); Hydrozoa of Norfolk, HAMOND; *Nematosella vectensis* from brackish water in E. England, ROBSON (1); a Hydromedusa of S.W. Scotland, VANNUCCI (2); a new genus and sp. of Leptomedusa from the N. Atlantic, RUSSELL (1); *Tetraplatia volitans* in the N. and S. Atlantic, REES & WHITE; *Tetraplatia chuni* from the S. Atlantic, REES & WHITE (1); *Halammohydra* of the Baltic, North Sea, English Channel and Mediterranean, SWEDMARK; a new sp. of *Halammohydra* off Roscoff, SWEDMARK & TEISSIER; Hydromedusae off Villefranche, KRAMP (6); *Nemopsis bachei* in the estuary of the Gironde, TIFFON; hydrozoa of the estuary of the R. Elbe, KÜHL; hydroids of a Norwegian fjord, DONS; the hydroid *Kinetocodium danae* off Portugal, KRAMP (5);

planktonic hydrozoa of the Atlantic coast of the Iberian Peninsula, ALVARIÑO (1); planktonic Hydrozoa of the Western Mediterranean, ALVARIÑO; Hydrozoa from near Marseilles, GAUTIER & PICARD; *Campanularia caliculata* of Sardinia, STEFANI; *Corymorpha nutans* in the Black Sea, BĂCESCU; Hydrozoa of False Bay, S. Africa, MILLARD; the hydroid fauna of the Gold Coast, BUCHANAN; Hydrozoa and Scyphozoa of tropical West Africa, KRAMP; a new sp. of *Atolla* from the N. Atlantic, RUSSELL; Scyphozoa of the coasts of Brazil, VANNUCCI; Western Atlantic octocorals, BAYER; pennatularians of the Swedish Deep Sea Expedition, BROCH (2); octocorals of Greenland, Iceland, etc., BROCH; a northern octocoral off the Falkland Isles, BROCH (3); a new sp. of *Branchiocerianthus* from Norway, BRATTSTRÖM; corals of a Norwegian fjord, BROCH (1); zoantharians of the Gulf of Naples, PAX; Adriatic anthozoans, PAX (1); zoantharians from the Mediterranean Sea, PAX & MÜLLER; madreporarians of the Ligurian Sea, ROSSI; influence of salinity on Black Sea actinians, [ZHIRMUNSKY & KISELEVA]; corals of the West Indies, ALLOITEAU.

Pacific Ocean.—Hydromedusae of the "Discovery" collections, KRAMP (2); *Tetraplatia volitans* in the S. Pacific, REES & WHITE; distribution of *Velella lata*, [SAVILOV]; Siphonophora of Viet-Nam, LELOUP; Hydromedusae of Amoy, CHIU (1); hydroids of the Ochotsk Sea, FENIUK; hydroids from the Vladivostok region, YAMADA; *Staurocladia acuminata* from Japan, HARADA; Hydroids of New Zealand, RALPH (1); two hydroids of California, ALEEM; *Monobrachium parasiticum* off California, HAND (1); medusae of S.E. China, CHIU (2); bathypelagic hydrozoans and scyphozoans of S. California, HARTMAN & EMERY; stony corals and hydrocorals of the Tokara Islands, UTINOMI; *Lobophyllum* spp. in the Muséum national d'Histoire naturelle, Paris, TIXIER-DURIVAUT, also (1), (2); spp. of *Bellonella* from Japan, UTINOMI (1); a new genus of alcyonarian, UTINOMI (2); corals generally, ALLOITEAU; zoantharians of Viet-Nam, PAX & MÜLLER (1); Fungiida of the Philippines, NEMENZO;

anthozoa of Clipperton Island, HERTLEIN & EMERSON; a northern coral on the Patagonian Shelf, BROCH (3); a sea anemone and the types of certain sea anemones from California, HAND (2); ctenophores of China, CHIU, also CHIU (3).

Indian Ocean.—Hydromedusae of the "Discovery" collections, KRAMP (2); *Stylaster flabelliformis* from Mauritius, etc., BOSCHMA; Hydrozoa and Anthozoa of the Gulf of Kutch, GIDEON & OTHERS; *Lobophytum* spp. in the Muséum national d'Histoire naturelle, Paris, TIXIER-DURIVAUT; a new sp. of octocoral from the Red Sea, BROCH & HORRIDGE; *Spongodes* and a new genus of Alcyonaria from the Moluccas, TIXIER-DURIVAUT & PREVORŠEK; corals of the Red Sea, etc., ALLOITEAU; a new sp. of *Zoanthus* from Italian Somaliland, PAX & MÜLLER; corals in a Recent deposit in Iraq, HUDSON, EAMES & WILKINS.

Arctic Ocean.—Hydromedusae of the "Discovery" collections, KRAMP (2); octocorals of the Russian Polar Expeditions of 1929-35, BROCH.

Antarctic Ocean.—Hydromedusae of the "Discovery" collections, KRAMP (2); medusae of the B.A.N.Z.A.R.E. collections, KRAMP (3); jellyfishes from Macquarie and Heard Islands, KRAMP (4).

B.—FRESHWATER

Protohydra in Africa, OMER-COOPER; *Hydra* in an Iowa nursery lake, MOEN; *Nematossella vectensis* in brackish water in E. England, ROBSON (1); *Nemopsis bachei* in the estuary of the Gironde, TIFFON; monograph on, and a new sp. of, *Limnocyclus*, BOUILLON; a new sp. of *Limnocyclus* from C. Africa, BOUILLON (1); *Limnocyclus* in C. Africa, BRIEN (3); a *Cordylophora* in Hungary, KOLOSÁRY; *Cordylophora lacustris* in Ohio, DAVIS (1).

Craspedacusta.—*C.* in Ontario, WIGGINS, WHITFIELD & WALDEN; *C. sowerbii* in the U.S.A., PRICE; *C. sowerbii* in Virginia, RICE.

2.—GEOLOGICAL

Holocene.—Corals in Iraq, HUDSON, EAMES & WILKINS.

Plio-Pleistocene.—A coral from near Marseilles, GAUTIER & PICARD.

Pliocene.—NONE.

Miocene.—A hydrozoan and two corals of Maryland, VOKES (1); alcyonarian sclerites and madreporarian young stages in Australia, DEFLANDRE-RIGAUD; alcyonarian spicules of Australia, DEFLANDRE-RIGAUD (1); corals of France, etc., ALLOITEAU; two corals of Portugal, ZBYSEWSKI; a hexacoral of Czechoslovakia, ZÁVORKA; corals of Hungary, KOLOSÁRY (2); corals (list) of Greece, BRUNN; a coral in the Island of Principe, SILVA; reef corals of Japan, ARAI; (? Miocene) a new sp. of *Lophelia* from Georgia, U.S.A., SQUIRES.

Oligocene.—Corals of France, etc., ALLOITEAU; a coral in Germany, BROSIUS & GRAMANN; corals of Hungary, KOLOSÁRY (2); corals (list) of Greece, BRUNN.

Eocene.—Alcyonarian sclerites and madreporarian young stages in France, DEFLANDRE-RIGAUD; alcyonarian spicules of France, DEFLANDRE-RIGAUD (1); corals of France, etc., ALLOITEAU; six new corals of Spain, ALASTRUE, ALMELA & RIOS; a coral from Spain, BATALLER (1); corals of Hungary, KOLOSÁRY (2); corals in Turkey, SAYAR; corals in Turkmenia, U.S.S.R. [VYALOV]; a new sp. of *Caryophyllia* from Alabama, SQUIRES; corals of North Dakota, WILSON.

Cretaceous.—Spanish stromatoporoids, SCHNORF-STEINER; a new stromatoporoid of the U.S.S.R., [YAVORSKII (1)]; medusae of Poland, NOWAK; alcyonarian spicules of Czechoslovakia, DEFLANDRE-RIGAUD, and (1); corals of France, etc., ALLOITEAU; corals (lists) of Spain, ALASTRUE, ALMELA & RIOS; hexacorals of Spain, BATALLER, also BATALLER (2); a new sp. of coral from Spain, BATALLER (1); corals of Hungary, KOLOSÁRY (2); new corals of Hungary, KOLOSÁRY (4); corals of Greece, BRUNN; two corals of the Caucasus, [ALYEV]; a hexacoral of Western Sinai, THOMAS in THOMAS & OMARA; corals of Venezuela, VON DER OSTEN.

Jurassic.—A new genus and sp. [nomm. nud.] of Hydrozoa from

France, GABILLY & LAFUSTE; a new genus and sp. of hydrozoan from France, GABILLY & LAFUSTE (1); stromatoporoids of France, etc., HUDSON; *Cladocoropsis* beds in Montenegro, RADOIČIĆ; a new stromatoporoid of the Crimea, [YAVORSKII (1)]; a new genus of jellyfishes from Germany, HARRINGTON & MOORE; stratigraphical value of corals in Europe, GEYER; *Montilivaltia slatteri* in Dorset (listed), FOWLER; corals in S. England, SMITH, W. E.; a coral in S. England, SYLVESTER-BRADLEY & HODSON; corals of France, etc., ALLOITEAU; corals in France, LAFUSTE (1); a new subgenus of *Stylina* from France, LAFUSTE (3); corals of Hungary, KOLOSVÁRY (2); corals of Greece, BRUNN.

Triassic.—Corals of Europe, ALLOITEAU; corals and a hydrozoan of Czechoslovakia, KOLOSVÁRY (5); a Rhaetic coral of Czechoslovakia, NÁPRSTEK; corals of Slovenia, MAHEL; corals of Hungary, KOLOSVÁRY (2).

Permian.—A new stromatoporoid of the U.S.S.R., [YAVORSKII (1)]; sequence and distribution of coral faunas, HILL (1); a tabulate coral from Tunisia, TERMIER & TERMIER (1); corals in the Pyrenees, DALLONI; corals of Sicily, MONTANARO-GALLITELLI; corals of Hungary, KOLOSVÁRY (2); corals in Russia, KASHITZEV; two rugose corals of Timor, SCHOUPE; corals from China, WU; corals in Japan, MINATO; two new genera of rugose corals in Asia and N. America, YABE.

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†*Eldonia* a siphonophore p. 281, MADSEN.

Eleutheria dichotoma p. 512 fig., REES.

Eleutheriidae p. 525, REES.

Euclielota cirrata p. 254, KRAMP.—*E.* sp. p. 34 fig., KRAMP (2).

Eudendrium racemosum p. 357, BUCHANAN.—*E. ramosum* p. 1 fig., DONS.—*E. rameum*, *ramosum* p. 300, *arbusculum* p. 300 fig., HAMOND.—*E.* ? *antarcticum*

p. 183, *deciduum* **sp. n.** p. 184 fig. False Bay, S. Africa, MILLARD.

Eugymnanthea polimantii probably a junior synonym of *inquilina* p. 163, CROWELL.

Euphysa aurata p. 116, KRAMP (6).—*E. aurata* p. 507 fig., REES.

Euphysilla **gen. n.** (fam. Tubulariidae) p. 245, type sp. (by original designation) *pyramidata* p. 245 fig. W. Africa, KRAMP Atlantide Rep. 3 1955.

Euphysinae p. 521, REES.

Euphysora furcata p. 247, KRAMP.—*E. furcata* p. 5 fig., *gigantea* **sp. n.** p. 6 fig. S. Atlantic & Antarctic, KRAMP (2).

Eutima campanulata p. 43 fig., CHIU (1).—*E. gracilis* a senior synonym of *elephas* p. 263, KRAMP.—*E. gracilis*, *E. (Octorchis) gegenbauri* p. 123, KRAMP (6).

†*Ferestromatopora* **gen. n.** (fam. Stromatoporoidea [sic]) p. 109, *krupennikovii* **sp. n.** p. 109 fig., var. *talovensis* **var. n.** p. 110 fig., *tyrganensis* **sp. n.** p. 111 fig., Devonian U.S.S.R., [YAVORSKII] Trud. Vses. nauch.-Issled. geol. Inst. N.S. 8 1955.

Filellum serpens p. 308 fig., HAMOND.

Gastroblasta raffaelli var. *chengshanensis* p. 43 fig., CHIU (1).

†*Gerronostroma* p. 151, key to N. American spp. p. 152, *elegans* p. 152 fig., *plectile* **sp. n.** p. 153 fig., *excellens* **sp. n.** p. 155 fig., cf. *insolitum* p. 156 fig., M. Devonian U.S.A., GALLOWAY & ST. JEAN.—*G.* p. 34, *concentricum* p. 34 fig., *tomiense* **sp. n.** p. 35 fig. Silurian U.S.S.R., *uralicum* **sp. n.** p. 36 fig. Silurian U.S.S.R., *batschatense* var. *salairicum* **var. n.** p. 36 fig. Devonian U.S.S.R., *boutovi* **sp. n.** p. 37 fig. Devonian U.S.S.R., *juresanense* **sp. n.** p. 38 fig. Devonian U.S.S.R., [YAVORSKII].—*G.* p. 10, *uralense* p. 11 fig., *opimum* p. 11 fig., *gromotuchense* p. 12 fig., *solomenense* p. 13 fig., *schelonense* p. 14 fig., *porkhovense* p. 15 fig., *obliquum* p. 13 fig., **spp. n.**, *obliquum* var. *recta* **var. n.** p. 12 fig., Devonian U.S.S.R., [YAVORSKII] (1).

Geryonia proboscidalis p. 275, KRAMP.—*G. proboscidalis* p. 62, KRAMP (2).

Gonionemus revised p. 102, *vertens* p. 102 fig., [NAUMOV].

Gonothyræa p. 824, *loveni* p. 824 fig., RALPH (1).—*G.* see *Laomedæa*.

Gossea brachymera p. 42 fig., KRAMP (2).

Halammohydra octopodides, *schulzei* p. 184, *vermiformis* **sp. n.** p. 184 Brittany, SWEDMARK.—*H.* p. 47, *schulzei* p. 47 fig., *octopodides* p. 48 fig., *vermiformis* **sp. n.** p. 48 fig. W. France, SWEDMARK & TEISSIER.

Halammohydridae discussed p. 46, SWEDMARK & TEISSIER.

Halecium beani p. 357, BUCHANAN.—*H. muricatum* p. 2, DONS.—*H. halecinum*, *beani* p. 301, *lankesteri* p. 302 fig., *muricatum* p. 304, *undulatum* p. 304 fig., *tenellum* p. 307 fig., HAMOND.—*H. beanti*, *dichotomum* p. 188, *parvulum* p. 189 fig., var. *magna* **var. n.** p. 190 fig. False Bay, S. Africa, *tenellum* p. 193 fig., MILLARD.

Halicreas minimum p. 271, KRAMP.—*H. rotundatum* and *alba* obsolete as inadequately described p. 46, *glabrum* probably is *Botrynema brucei* pp. 47, 50, *minimum* a senior synonym of *papillosum* p. 47 fig., KRAMP (2).—*H. minimum* p. 157, KRAMP (3).

Halicreidae p. 46, KRAMP (2).—*H.* gen. et sp. ind. p. 271, KRAMP.

Haliscera conica p. 48 fig., *racovitzae* p. 49, KRAMP (2).—*H. conica* p. 158, KRAMP (3).—*H. bigelowi* p. 41, PETERSEN.

Halitholus intermedius p. 15, KRAMP (2).—*H. cirratus* p. 27, PETERSEN.

Halitrephes maasi p. 51 fig., KRAMP (2).

Halocordyle disticha p. 353, BUCHANAN.—*H. tiarella* p. 510 fig., REES.

Halocorynidae **fam. n.** p. 4, PICARD Bull. Inst. Océanogr. Monaco No. 1106 1957.—*H.* p. 524, REES.

Halopsis ocellata p. 30, KRAMP (2).—*H. ocellata* p. 36, PETERSEN.

Halopteris constricta p. 227 fig., *valdiviae* p. 228 fig., MILLARD.

Hebella furax **sp. n.** p. 200 fig. False Bay, S. Africa, *scandens* p. 202, MILLARD.

†*Heptastylopsis* discussed, sp. Le Maître and cf. *subglobosa* Le Maître are spp. of *Stromatorhiza* p. 8, HUDSON.

†*Hermatostroma* p. 217, *schlüteri* p. 218 fig., *logansportense* **sp. n.** p. 219 fig. M. Devonian U.S.S.R., GALLOWAY & ST. JEAN.—*H.* p. 140, *concinnum* [as *concinum* (sic)] p. 140 fig., *tschernyschevi* p. 142 fig., **spp. n.** Silurian U.S.S.R., *stellagerum* **sp. n.** p. 141 fig. Devonian U.S.S.R., *bonum* **sp. n.** p. 142 fig. Devonian U.S.S.R., *vulgares* **sp. n.** p. 143 fig. Devonian U.S.S.R., *latum* **sp. n.** p. 143 fig. Devonian U.S.S.R., *rectum* **sp. n.** p. 144 fig. Devonian U.S.S.R., *kumpani* **sp. n.** p. 144 fig. Devonian U.S.S.R., *flexuosum* **sp. n.** p. 145 fig. Devonian U.S.S.R., *mame-lonse* **sp. n.** p. 146 fig. Devonian U.S.S.R., *safonovi* **sp. n.** p. 146 fig. Devonian U.S.S.R., *undulatum* **sp. n.** p. 147 fig. Devonian U.S.S.R., *roullieri* **sp. n.** p. 148 fig. Devonian U.S.S.R., *tikhii* **sp. n.** p. 148 fig. Carboniferous U.S.S.R., [YAVORSKII].—†*H. omulevskense* p. 56 fig., *usitatum* p. 56 fig., *abense* p. 57 fig., *porkhovense* p. 58 fig., **spp. n.** Devonian U.S.S.R., [YAVORSKII (1)].

Heterotiara minor p. 23, KRAMP (2).

Holothuria physalis the type sp. of *Physalia* p. 244, DIRECTION 76.—*H. physalis* added to the "Official List of Specific Names in Zoology" p. 268, DIRECTION 77.

Hydractinia altispina p. 354 fig., BUCHANAN.—*H. canalifera* **sp. n.** p. 179 fig. False Bay, S. Africa, *carnea* p. 181, *sp.* p. 182, MILLARD.

†*Hydractinia multispinosa* p. 40 fig., VOKES (1).

Hydrocorella africana p. 183, MILLARD.

Hydrocoryne miurensis p. 512 fig., REES.

Hydrocorynidae **fam. n.** p. 525, REES Bull. Brit. Mus. (nat. Hist.) Zool. 4 9 1957.

Hydrodendron caciniformis p. 186 fig., MILLARD.

Hydrozoa **sp. ind.** p. 100, KOLOS-VÁRY (5).

Hypolytus peregrinus p. 506 fig., REES.

†*Idiostroma* p. 136, *uralicum* p. 137 fig., *cumulus* p. 138 fig., **spp. n.** Devonian U.S.S.R., *oculatum* p. 139 fig., [YAVORSKII].—*I.* aff. *uralicum* p. 55 fig., [YAVORSKII (1)].

Irenopsis hexanemalis p. 44 fig., CHIU (1).

Kinetocodium danae p. 47 fig., KRAMP (5).

Kirchenpaueria pinnata p. 233, MILLARD.

Koellikerina maasi p. 8, KRAMP (2).—*K. fasciculata* p. 118 fig., KRAMP (6).

Krampella **gen. n.** (fam. ? Laodiceidae) p. 445, type sp. (by original designation) *dubia* **sp. n.** p. 445 fig. N. Atlantic, RUSSELL J. Mar. Biol. Ass. U.K. 36 3 1957.

†*Labechia variabilis* p. 41 fig., JAKOW-LEW.—*L.* p. 58, *regularis* p. 59 fig., *sibirica* **sp. n.** p. 60 fig. Silurian U.S.S.R., *fusta* **sp. n.** p. 60 fig. Silurian U.S.S.R., *tumulosa* **sp. n.** p. 61 fig. Silurian U.S.S.R., *yakovlevi* p. 62 fig., var. *tunguskana* **var. n.** p. 63 fig. Silurian U.S.S.R., *obruchevi* p. 63 fig., *venusta* **sp. n.** p. 64 fig. Silurian U.S.S.R., *obscura* **sp. n.** p. 64 fig. Silurian and Carboniferous U.S.S.R., *condensa* **sp. n.** p. 65 fig. Silurian U.S.S.R., [YAVORSKII].—*L. regularis* var. *kotuenensis* **var. n.** p. 29 fig. Ordovician U.S.S.R., var. *tuensis* **var. n.** p. 30 fig. Silurian U.S.S.R., *polaris* p. 30 fig., *cumularis* **sp. n.** p. 31 fig. Devonian U.S.S.R., *astroites* **sp. n.** p. 32 fig. Devonian U.S.S.R., *golikoviensis* **sp. n.** p. 32 fig. Devonian U.S.S.R., *crassa* **sp. n.** p. 33 fig. Devonian U.S.S.R., *devonica* p. 33 fig. cf. *densa* p. 34 fig., *vodorezovi* **sp. n.** p. 34 fig. Devonian U.S.S.R., *modica* **sp. n.** p. 35 fig., *condensa* **sp. n.** p. 35 fig. Devonian U.S.S.R., *radiosa* **sp. n.** p. 36 fig. Devonian U.S.S.R., [YAVORSKII (1)].

Lafoea grandis subsp. *ochotensis* **subsp. n.** pp. 4, 10 fig. Ochotsk Sea, FENIUK.

Laodicea undulata p. 253, KRAMP.—*L. undulata* p. 27, *pulchra* p. 27 fig., KRAMP (2).—*L. pulchra* p. 157, KRAMP (3).—*L. undulata* p. 120, KRAMP (6).—*L. undulata* p. 35, PETERSEN.

Laomedea flexuosa p. 358 fig., *gracilis* p. 358 fig., *geniculata* p. 359 fig., *bicuspidata* p. 359, *attenuata* p. 359 fig., *hummelincki* p. 360 fig., BUCHANAN.—*L. geniculata* p. 4 fig., *gracilis* p. 5, DONS.—*L. (Obelia) bicuspidata* p. 312 fig., *L. (Gonothyræa) hyalina* p. 314, *L. (G.) neglecta* p. 315 fig., *L. (Campanularia) conferta* p. 315 fig., HAMOND.—*L.*

longissima p. 80, LEFEVERE, LELOUP & VAN MEEL.

Leuckartiara sp. p. 356 fig., BUCHANAN.—*L. octona* p. 42 fig., CHIU (1).—*L. octona* p. 15, *annexa* **sp. n.** p. 16 fig. S.E. Africa, KRAMP (2).—*L. octona* p. 182, MILLARD.—*L. breviconis*, *nobilis* p. 27, PETERSEN.—*L. breviconis* Vannucci 1956 in *Neoturris pileata* p. 281, VANNUCCI (2).

Limnocyda tanganyicae p. 258 fig., *victoriae* p. 259 fig., *rhodesiae* and *cymodoce* are synonyms of *victoriae* p. 461, *indica* p. 457, *congoensis* **sp. n.** p. 461 fig. Congo Basin, BOUILLON.—*L. congoensis* **sp. n.** p. 388 fig. Congo Basin, *tanganyicae* p. 394 fig., *victoriae* (= *rhodesiae* and *cymodoce*) p. 394 fig., *indica* p. 394, BOUILLON (1).

Liriope tetraphylla p. 46 fig., CHIU (1).—*L. tetraphylla* p. 275, KRAMP.—*L. tetraphylla* p. 63, KRAMP (2).—*L. tetraphylla* p. 125, KRAMP (6).

Lizzia blondina p. 117, KRAMP (6).

Lovenella chiquitita **sp. n.** p. 198 fig. False Bay, S. Africa, MILLARD.

Lytocarpus grandis p. 368 fig., BUCHANAN.—*L. filamentosus* p. 241, MILLARD.

Margelopsidae p. 522, REES.

Margelopsinae p. 522, REES.

Margelopsis haeckeli p. 508 fig., REES.

†*Medusina walcotti* the type sp. of *Crucimedesina* p. 156, HARRINGTON & MOORE.

Merga tergestina p. 250, KRAMP.—*M. rubra* **sp. n.** p. 14 fig. S. Orkney Islands, KRAMP (2).

Milleporidae p. 7, PICARD.

Mitrocoma annae p. 121, KRAMP (6).

Mitrocomella frigida p. 30, KRAMP (2).—*M. brounei* p. 121, KRAMP (6).

Moerisia lyonsi status p. 445, REES (2).

Moerisiidae belong to the Sub-Order Capitata of the Anthomedusae p. 445, REES (2).

Monobrachium parasitum p. 84 fig., HAND (1).—*M. parasitum* p. 1168 fig. [NAUMOV (3)].

Monocoryne gigantea p. 509 fig., REES.

Monocoryninae p. 523, REES.

Muggiaea atlantica p. 46 fig., CHIU (1).

Myriothele capensis p. 186, MILLARD.

Myriothelidae p. 523, REES.

Myriothelinae **subfam. n.** p. 523, REES Bull. Brit. Mus. (nat. Hist.) Zool. 49 1957.

Narcomedusa commensal larvae p. 89 fig., KRAMP (2).

Nemertesia cymodocea p. 234, *ramosa* p. 235, MILLARD.

Nemopsis bachei p. 550 fig., TIFFON.

Neoturris pileata p. 17 fig., KRAMP (2).—*N. pileata* p. 119, KRAMP (6).—*N. pileata* p. 28, PETERSEN.—*N. pileata* p. 281, VANNUCCI (2).

Obelia sp. p. 254, KRAMP.—*O. sp.* p. 33, KRAMP (2).—*O. sp.* p. 121, KRAMP (6).—*O. dichotoma*, *geniculata* p. 198, MILLARD.—*O. geniculata* p. 281 fig., RALPH.—*O. p.* 826, key to New Zealand spp. p. 826, *australis* p. 830 fig., *geniculata* p. 831 fig., form. *subtropica*, form. *intermedia*, form. *subantarctica*, form. *indet.* p. 831, *longissima* p. 831 fig., *nodosa* p. 832 fig., ? *O. pygmaea*, ? *O. nigrocaulus* p. 832, RALPH (1).—*O.* see *Laomedea*.

Otocanna polynema p. 45 fig., CHIU (1).—*O. auctt.* non Haeckel re-named *Octophialucium* p. 256, *solida*, *aphrodite* Bigelow non Haeckel p. 259, *funeraria* p. 260, KRAMP.

Octophialucium **gen. n.** (fam. Phialuciidae—for *Otocanna* auctt. non Haeckel) p. 256, *medium* **sp. n.** p. 257 fig. W. Africa, *solida*, *aphrodite* p. 259, *bigelowi* **sp. n.** (for *polynema* Bigelow non Haeckel) p. 259 Mexico, *funerarium* p. 260, KRAMP Atlantide Rep. 3 1955.—*O. medium* p. 34, *aphrodite* p. 35, KRAMP (2).

Octorchis see *Eutima*.

Olindias phosphorica p. 267, KRAMP.

Opercularella p. 846, ? *O. humilis* p. 846 fig., RALPH (1).

Orthopyxis p. 834, key to New Zealand spp. p. 834, *caliculata* p. 838 fig., *crenata* p. 838 fig., form. *crenata* p. 838 fig., form. *subtropica* **form. n.** p. 839 fig. New Zealand, *delicata* p. 840 fig., *mollis* p. 840 fig., RALPH (1).

†*Palaeomillepora* **gen. n.** (fam. Milleporidae) p. 355, type sp. (by original designation) *liasica* **sp. n.** p. 355 Jurassic France, GABILLY & LAFUSTE

Bull. Soc. géol. Fr. (6) 7 4-5 1957.—*P. nom. nud.*, *liasica* nom. nud. p. 85, GABILLY & LAFUSTE.

Pandea conica p. 42 fig., CHIU (1).—*P. conica* p. 251, KRAMP.—*P. conica* p. 17, *rubra* p. 18, KRAMP (2).—*P. rubra* p. 155, KRAMP (3).

Pandeidae spp. indet. p. 20, KRAMP (2).

Pantachogon haeckeli p. 273, KRAMP.—*P. haeckeli* p. 53 fig., KRAMP (2).—*P. haeckeli* p. 158, KRAMP (3).

Paracoryne **gen. n.** (fam. Paracorynidae) p. 6, type sp. (by original designation) *huvei* **sp. n.** p. 6 France, PICARD Bull. Inst. Océanogr. Monaco No. 1106 1957.

Paracorynidae **fam. n.** p. 6, PICARD Bull. Inst. Océanogr. Monaco No. 1106 1957.

Paragattya intermedia p. 230, MILLARD.

†*Paralleloproa bucheliensis* p. 119 fig., FIRTION.—*P.* p. 205, key to N. American spp. p. 206, *ostiolata* p. 207 fig., *campbelli* **sp. n.** p. 208 fig., *typicalis* **sp. n.** p. 210 fig., *pulchra* **sp. n.** p. 211 fig., *nodulata* p. 212 fig., *snoufferensis* **sp. n.** p. 214 fig., *eumamillata* **sp. n.** p. 216 fig., M. Devonian U.S.A., GALLOWAY & ST. JEAN.

†*Paramphipora* **gen. n.** (fam. Idiostromidae) p. 154, *mirabilis* p. 154 fig., *minuta* p. 155 fig., *vesiculosa* p. 155 fig., *raris* p. 156 fig., *rasilis* p. 156 fig., *humilis* [as *humilis* (sic)] p. 157 fig., *levis* p. 157 fig., *facies* p. 157 fig., **spp. n.** Silurian U.S.S.R., *ruritatis* **sp. n.** p. 156 fig. Silurian [Devonian on p. 161] U.S.S.R., *blokhini* **sp. n.** p. 158 fig. Devonian U.S.S.R., *recta* **sp. n.** p. 158 fig. Devonian U.S.S.R., *tchussovensis* **sp. n.** p. 159 fig. Devonian U.S.S.R., [YAVORSKII] Trud. Vses. nauch.-Issled. geol. Inst. (VSEGEI) N.S. 8 1955.—*P. tenuis* p. 66 fig., *tomiensis* p. 67 fig., **spp. n.** Silurian U.S.S.R., aff. *tomiensis* p. 67 fig., *dilucida* **sp. n.** p. 68 fig. Devonian U.S.S.R., cf. *dilucida* p. 68 fig., **sp. n.** p. 68 fig., *difficilis* **sp. n.** p. 69 fig. Devonian U.S.S.R., *arcuationis* **sp. n.** p. 69 fig. Devonian U.S.S.R., **sp. n.** p. 70 fig., *devonica* **sp. n.** p. 70 fig. Devonian U.S.S.R., *maculosa* **sp. n.** p. 71 fig. Devonian U.S.S.R., *perforata* **sp. n.** p. 71 fig. Devonian U.S.S.R., [YAVORSKII (1)].

Pegantha martagon p. 277, *clara* p. 278, *laevis* p. 279, *rubiginosa* p. 280, KRAMP.—*P.* discussed p. 65, *martagon* p. 67 fig., *laevis* p. 70 fig., *clara* p. 73 fig., *rubiginosa* p. 76 fig., *triloba* p. 77, KRAMP (2).—*P. rubiginosa* p. 126, KRAMP (6).

Pelagohydra mirabilis p. 508 fig., REES.

Pelagohydrinae p. 522, REES.

Persa incolorata p. 60, KRAMP (2).—*P. incolorata* p. 125, KRAMP (6).

Phialella quadrata p. 310 fig., HAMOND.—*P. quadrata* p. 255, KRAMP.—*P. falklandica* p. 34, KRAMP (2).—*P.* p. 846, *quadrata* p. 848 fig., RALPH (1).

Phialidium hemisphaericum p. 255, KRAMP.—*P. simplex*, *discoidum* p. 33, KRAMP (2).—*P. hemisphaericum* p. 121, KRAMP (6).

Phialopsis diegensis p. 35 fig., KRAMP (2).

Phialuciidae **fam. n.** p. 262, KRAMP Atlantide Rep. 3 1955.

Phialucium discussed p. 260, KRAMP.

Phortis ceylonensis p. 44 fig., CHIU (1).

Physalia type sp. (by monotypy) is *Holothuria physalis* p. 244, DIRECTION 76.

Physalis invalid p. 257, DIRECTION 76.

Plumularia diaphana p. 318 fig., HAMOND.—*P. lagenifera* p. 230, *pulchella*, *setacea*, *spinulosa* var. *obtusa* p. 232, MILLARD.

Pochella oligonema **sp. n.** p. 270 fig. W. Africa, KRAMP.

Podocoryne hartlaubi p. 117, KRAMP (6).

Proboscidadactyla ornata p. 42 fig., CHIU (1).—*P. ornata* p. 269, KRAMP.—*P. ornata* p. 234 fig., KRAMP (1).—*P. mutabilis* p. 41, KRAMP (2).

†*Pseudolabechia* p. 66, *tuberculata* **sp. n.** p. 66 fig. Silurian U.S.S.R., [YAVORSKII].—*P.* p. 36, *convexa* p. 38 fig., *monstrum* p. 39 fig., *caucasica* p. 39 fig., *gracilis* p. 40 fig., **spp. n.** Devonian U.S.S.R., [YAVORSKII (1)].

Pteronematidae p. 5, PICARD.

Pteronematoidea **superfam. n.** p. 4, PICARD Bull. Inst. Océanogr. Monaco No. 1106 1957.

Ptilocodiidae p. 525, REES.

- Philocodium repens* p. 513 fig., REES.
- Ptychogastria polaris* p. 45, KRAMP (2).
- Ptychogena antarctica* p. 28 fig., KRAMP (2).
- Pycnotheca mirabilis* p. 234, MILLARD.
- Ransonia krampi* p. 274, KRAMP.
- Rathkea africana* **sp. n.** p. 8 fig. Gulf of Guinea, KRAMP (2).
- Reticularia serpens* p. 203, MILLARD.
- Rhacostoma atlanticum* p. 266, KRAMP.
- Rhopalonema velatum* p. 272, KRAMP.—*R. velatum* p. 52, *funerarium* p. 53 fig., KRAMP (2).—*R. funerarium* p. 158, KRAMP (3).—*R. velatum* p. 124, KRAMP (6).
- Rosalinda williamsi* p. 513, REES.
- †*Rosenella miniarensis* p. 41 fig., JAKOWLEW.—*R.* p. 67, *mogudjarica* **sp. n.** p. 67 fig. Devonian U.S.S.R., **sp. p.** 68 fig., [YAVORSKII].—*R. miniarensis* p. 41 fig., *irregularis* **sp. n.** p. 41 fig. Devonian U.S.S.R., cf. *normalis* p. 42 fig., *uralensis* **sp. n.** p. 42 fig. Devonian U.S.S.R., [YAVORSKII (1)].
- Russellia* **gen. n.** (fam. Russellidae) p. 23, type **sp.** (by original designation) *mirabilis* **sp. n.** p. 24 fig. S. Atlantic, KRAMP Discovery Rep. 29 1957.
- Russellidae **fam. n.** (Anthomedusae) p. 23, KRAMP Discovery Rep. 29 1957.
- Salacia articulata* p. 207, MILLARD.
- Sarsia gracilis* p. 4, KRAMP (2).—*S. eximia* p. 115, KRAMP (6).—*S. princeps* p. 25, *tubulosa* p. 26, PETERSEN.—“*S.*” *brevia* p. 246, KRAMP.
- Scandia mutabilis* p. 202, MILLARD.
- Sertularella gayi* p. 2, DONS.—*S. mediterranea* p. 316 fig., HAMOND.—*S. africana* p. 207 fig., *arbuscula* p. 208 fig., *capensis* **sp. n.** p. 210 fig., *falsa* **sp. n.** p. 211 fig., *flabellum* p. 212 fig., *fusiiformis* p. 213 fig., *goliathus* p. 215 fig., *mediterranea* p. 215 fig., *megista* p. 216 fig., *polyzonias* p. 217 fig., *xantha* p. 218 fig., False Bay, S. Africa, MILLARD.
- Sertularelloides mercatoris* p. 366 fig., BUCHANAN.
- Sertularia camtschatica* **sp. n.** pp. 5, 11 fig. Ochotsk Sea, WINOGRADOW MS. in Feniuk.—*S. distans* var. *gracilis* p. 221 fig., *marginata* p. 224 fig., MILLARD.
- Silicularia bilabiata* p. 285 fig., RALPH.—*S.* p. 842, *bilabiata*, form. *subtropica* p. 842, form. *intermedia*, form. *subantarctica*, form. indet. p. 843, RALPH (1).
- †*Silurovelella* **gen. n.** (fam. Velellidae) p. 24, type **sp.** (by original designation) *casteri* **sp. n.** p. 24 fig. Silurian New York State, FISHER N.Y. St. Mus. Sci. Serv. Bull. No. 364 1957.
- Sminthea eurygaster* p. 53, KRAMP (2).
- Solanderiidae p. 526, REES.
- Solmaris corona* p. 276, KRAMP.—*S. corona* p. 77, KRAMP (2).—*S. corona* p. 42, PETERSEN.—? *S. juv.* p. 126, KRAMP (6).
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- †*Stachyodes* p. 58, *gracilis* var. *kurnetskensis* **var. n.** p. 59 fig., *tomiensis* **sp. n.** p. 59 fig., *glubokensis* **sp. n.** p. 60 fig., *odinekenis* **sp. n.** p. 60 fig., *boutovi* **sp. n.** p. 61 fig., Devonian U.S.S.R., [YAVORSKII (1)].
- Stauridiosarsia producta* p. 510 fig., REES.
- Staurocladia acuminata* p. 47 fig., HARADA.—*S. kerguelensis* p. 155, KRAMP (3).
- Staurophora mertensi* p. 29, KRAMP (2).—*S. mertensi* p. 36, PETERSEN.
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- Stegolaria* p. 849, *irregularis* p. 849 fig., RALPH (1).
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- †*Stictostroma* p. 124, key to N. American spp. p. 125, *mamilliferum* **nom. n.** for *Stromatopora mamillata* Nicholson non Schmidt p. 125 fig., *jeffersonvillense* **sp. n.** p. 127 fig., *mcgraini* **sp. n.** p. 128 fig., M. Devonian U.S.A., GALLOWAY & ST. JEAN.
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†*Stromatopora concentrica* p. 116 fig., ex gr. *hupschii* [as *hupchii* (sic)] p. 118 fig., FIRTION.—*S.* p. 164, key to N. American spp. p. 168, *marpleae* p. 169 fig., *obscura* p. 170 fig., *larocquei* p. 171 fig., *divergens* p. 173 fig., **spp. n.**, *laminosa* p. 174 fig., *dubia* p. 176 fig., *eumaculosa* **sp. n.** p. 177 fig., *mononensis* **sp. n.** p. 178 fig., *submixta* **sp. n.** p. 180 fig., *pachytexta* p. 181 fig., *cummingsi* **sp. n.** p. 182 fig., *conicomamillata* **sp. n.** p. 184 fig., *magnimamillata* **sp. n.** p. 185 fig., M. Devonian U.S.A., GALLOWAY & ST. JEAN.—*S. concentrica* p. 39 fig., JAKOWLEW.—*S. compacta* p. 65, SINCLAIR.—*S.* p. 81, *obruzschevi* p. 81 fig., *ržonsnickii* p. 82 fig., *lenensis* p. 83 fig., *ivanovi* p. 83 fig., *fedorovi* p. 84 fig., **spp. n.** Silurian U.S.S.R., *typica* p. 86 fig., var. *dnestrensis* **var. n.** p. 85 fig. Silurian U.S.S.R., *carteri* p. 86 fig., var. *devonica* **var. n.** p. 109 fig. Devonian U.S.S.R., aff. *carteri* p. 102 fig., *constellata* p. 87 fig., *czekanowskii* **sp. n.** p. 88 fig. Devonian U.S.S.R., *dybowski* **sp. n.** p. 89 fig. Devonian U.S.S.R., *compacta* **sp. n.** p. 90 fig. Devonian U.S.S.R., *pellucida* **sp. n.** p. 91 fig. Devonian U.S.S.R., *adleri* **sp. n.** p. 92 fig. Devonian U.S.S.R., *nices* **sp. n.** p. 92 fig. Devonian U.S.S.R., *concentrica* var. *minima* **var. n.** p. 93 fig. Devonian U.S.S.R., var. *colliculata* p. 94 fig., *tenuitextilis* **sp. n.** p. 94 fig. Devonian U.S.S.R., *tcherskii* **sp. n.** p. 95 fig. Devonian U.S.S.R., *fortuita* **sp. n.** p. 96 fig. Devonian U.S.S.R., *socialis* **sp. n.** p. 97 fig. Devonian U.S.S.R., *ramulosa* **sp. n.** p. 98 fig. Devonian U.S.S.R., *tenuilacunosa* **sp. n.** p. 98 fig. Devonian U.S.S.R., *artyschtskensis* **sp. n.** p. 99 fig. Devonian U.S.S.R., *sternuntura* **sp. n.** p. 100 fig. Devonian U.S.S.R., *pellucida* var. *artyschtskensis* **var. n.** p. 100 fig. Devonian U.S.S.R., *tchihatcheffi* **sp. n.** p. 101 fig. Devonian U.S.S.R., *pulchra* **sp. n.** p. 101 fig. Devonian U.S.S.R., *baskuskanensis* **sp. n.** p. 102 fig. Devonian U.S.S.R., *tumulus* **sp. n.** p. 103 fig. Devonian U.S.S.R., *schelomensis* **sp. n.** p. 104 fig. Devonian U.S.S.R., *minima* **sp. n.** p. 104 fig. Devonian U.S.S.R., *flexuosa* **sp. n.** p. 105 fig. Devonian U.S.S.R., *beuthii* p. 106 fig., *hüpschii* p. 106 fig., *concentrica* p. 107 fig.,

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†*Stromatoporella eifeliensis* p. 114 fig., ex gr. *solitaria* p. 115 fig., FIRTION.—*S.* p. 129, key to N. American spp. p. 130, *granulata* p. 131 fig., *morelandensis* **sp. n.** p. 132 fig., *selwyni* p. 133 fig., *kirki* **sp. n.** p. 135 fig., *solitaria* p. 136 fig., *parasolitaria* **sp. n.** p. 137 fig., *huronensis* p. 139 fig., *cryptoannulata* **sp. n.** p. 141 fig., *perannulata* **sp. n.** p. 142 fig., cf. *cellulosa* p. 144 fig., *erensis* p. 145 fig., *columbusensis* **sp. n.** p. 147 fig., M. Devonian U.S.A., GALLOWAY & ST. JEAN.—*S. granulata* p. 101 fig., [ISKYUL].—*S.* p. 39, *sniatkovi* p. 39 fig., JAKOWLEW.—*S.* p. 111, *kiritschenkoi* **sp. n.** p. 112 fig., *annularis* **sp. n.** p. 113 fig., aff. *gabeevi* p. 113 fig., *composita* **sp. n.** p. 114 fig., *tuberosa* **sp. n.** p. 115 fig., *artyschtskensis* **sp. n.** p. 115 fig., *chomutinkensis* **sp. n.** p. 116 fig., *loutouguini* p. 124 fig., var. *uralensis* **var. n.** p. 117 fig., *batschatensis* **sp. n.** p. 117 fig., *tschernensis* **sp. n.** p. 118 fig., *schelgutaniensis* **sp. n.** p. 119 fig., *brylkini* **sp. n.** p. 119 fig., *mirabilis* **sp. n.** p. 120 fig., *strelnensis* **sp. n.** p. 121 fig., *mamontoviensis* **sp. n.** p. 122 fig., *bractealis* **sp. n.** p. 122 fig., *pankratovi* **sp. n.** p. 123 fig., *irregularis* **sp. n.** p. 125 fig., *redkini* **sp. n.** p. 125 fig., *compulata* **sp. n.** p. 126 fig., *kinensis* **sp. n.** p. 126 fig., *ivdeliensis* **sp. n.** p. 127 fig., *tortuosa* **sp. n.** p. 128 fig., Devonian U.S.S.R., [YAVORSKII].—†*S.* aff. *mamelonsa* p. 51 fig., *tomiensis* **sp. n.** p. 52 fig. Devonian Kuznetsk Basin, aff. *tomiensis* p. 53 fig., *izylensis* **sp. n.** p. 54 fig. Devonian Kuznetsk Basin, [YAVORSKII (1)].

†*Stromatorhiza* discussed p. 3, *granulosa* p. 5 fig., sp. Le Maître p. 8, cf. *subglobosa* Le Maître p. 8, HUDSON.

†*Stromatorhizidae* **fam. n.** p. 5, HUDSON Bull. Soc. géol. Fr. (6) 7 1–3 1957.

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†*Stylodictyon* p. 28, *vaigatschense* **sp. n.** p. 28 fig. Devonian U.S.S.R., [YAVORSKII (1)].

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†*Syringostroma* ex gr. *densum* p. 120 fig., FIRTION.—*S.* p. 186, key to N. American spp. p. 187, *densum* p. 188 fig., *sanduskyense* **sp. n.** p. 190 fig., *perdensum* **sp. n.** p. 192 fig., *superdensum* **sp. n.** p. 193 fig., *papillatum* **sp. n.** p. 195 fig., *tuberosum* **sp. n.** p. 196 fig., *radicosum* **sp. n.** p. 198 fig., *fuscum* **sp. n.** p. 199 fig., *subfuscum* **sp. n.** p. 201 fig., *perfuscum* **sp. n.** p. 202 fig., *bicrenulatum* **sp. n.** p. 204 fig., M. Devonian U.S.A., GALLOWAY & ST. JEAN.—*S.* p. 128, *sibiricum* **sp. n.** p. 129 fig. Silurian U.S.S.R., var. *secunda* **var. n.** p. 129 fig. Devonian U.S.S.R., var. *prima* **var. n.** p. 130 fig. Devonian U.S.S.R., aff. *ristigoushense* p. 130 fig., *devonicum* **sp. n.** p. 131 fig. Devonian U.S.S.R., *padalkoi* **sp. n.** p. 132 fig. Devonian U.S.S.R., *tyrganense* **sp. n.** p. 133 fig. Devonian U.S.S.R., *singulare* **sp. n.** p. 133 fig. Devonian U.S.S.R., *salairense* **sp. n.** p. 134 fig. Devonian U.S.S.R., *foveolatum* var. *sibirica* **var. n.** p. 135 fig. Devonian U.S.S.R., *kielzeense* **sp. n.** p. 135 fig. Devonian U.S.S.R., [YAVORSKII].—*S. rugosum* **sp. n.** p. 54 fig. Lower Devonian U.S.S.R., [YAVORSKII (1)].

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†*Trupetostroma* p. 158, key to N. American spp. p. 159, *warreni* p. 159 fig., *T. ? raricystosum* **sp. n.** p. 161 fig., *T. coalescens* **sp. n.** p. 162 fig., M. Devonian U.S.A., GALLOWAY & ST. JEAN.

†*Trupetostromaria* discussed, *circoporea* p. 7, HUDSON.

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Multisolenia tortuosa var. *cylindrica* p. 92 fig., [ISKYUL].

Nyctopora stevensi **sp. n.** p. 100 fig., Ordovician New South Wales, HILL.

Pachypora p. 146, *orthostachys* p. 147 fig., FIRTION.

Palaefavosites aff. *turukhanicus* p. 85 fig., *turukhanicus* p. 86 fig., *forbesiformis* p. 86 fig., *elegans* p. 87 fig., *balticus* p. 87 fig., *alveolaris* **var. n.** [sic] p. 88 fig., [ISKYUL].—*P.* [as *Palaefavosites* (sic)] *prolificus* p. 474 fig., ROSS, R. J.

Palaehalysites clarus **sp. n.** p. 98 fig. Silurian Russia, aff. *gothlandicus* p. 98 fig., [ISKYUL].

Palaeporites serratus **sp. n.** p. 102 fig. Ordovician New South Wales, HILL.

Permosoma discussed p. 1392, TERMIER & TERMIER.—*P.* discussed p. 771, *permotessellata* p. 771 fig., TERMIER & TERMIER (1).

Plasmopora cargoensis **sp. n.** p. 104 fig. Ordovician New South Wales, HILL.

Plasmoporella inflata **sp. n.** p. 104 fig. Ordovician New South Wales, HILL.

Propora papillata pl. 8, fig. 2, *americana* pl. 8, fig. 5, EHLERS & KESLING.—*P. mammiifera* p. 102 fig., *bowanensis* p. 103 fig., **spp. n.** Ordovician New South Wales, sp. p. 103 fig., HILL.—*P. conferta* p. 97 fig., [ISKYUL].

Quepora discussed p. 398, *parallelus*, *pulchelus*, *delicatulus*, *sapporiensis*, *sindoensis*, *escharoides* Ozaki 1934, *aequabilis*, *huronensis*, *rasmussenii* p. 399, *Q. ? feildeni*, *Q. ? simplex* p. 399, HAMADA (1).

Roemeria infundibuliformis p. 43 fig. JAKOWLEW.

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Schedohalysites **gen. n.** (fam. Halysitidae) p. 401, type sp. (by original designation) *Halysites orthopteroides* p. 401 Silurian New South Wales, *kanaurensis*, *hupehensis*, *pseudoorthopteroides*, *kuliki*, *kitakamiensis* p. 401, *yarragobillyensis* **sp. n.** (for *Halysites* cf. *lithostrotionoides*) p. 401 Silurian New South Wales, HAMADA J. Fac. Sci. Univ. Tokyo (2) 10 3 1957.

Schedohalysitinae **subfam. n.** (of Halysitidae) p. 401, HAMADA J. Fac. Sci. Univ. Tokyo (2) 10 3 1957.

Sinopora dendroides pp. 332, 341 fig., WU.

Sphaerospongia permotessellata a sp. of *Permosoma* p. 771, TERMIER & TERMIER (1).

Syringopora verticillata pl. 9, figs. 3, 4, EHLERS & KESLING.—*S.* p. 54, *capillacea* p. 54 fig., *gracilis* p. 55 fig., *ramulosa* p. 55 fig., *gigantea* p. 55 fig., [GHORSKI].—*S. tenuitabula* **sp. n.** p. 99 fig. Silurian Russia, *multitabula* **sp. n.** p. 99 fig. Devonian Russia, *variatabula* **sp. n.** p. 100 fig. Devonian Russia, [ISKYUL].—*S. eifelensis* p. 44 fig., JAKOWLEW.—*S.* p. 24, *bifurcata* p. 26 fig., PRANTL (1).

Tetradium cribriforme p. 98 fig., HILL.

Thamnopora martisoni **sp. n.** p. 37 fig. Devonian Ontario, FRITZ, LEMON & NORRIS.

Thecia discussed p. 85, *minimorum* p. 87, LE MAÎTRE (1).

Thecostegites multitabulus p. 111 nom. nud. Devonian Russian Platform, [ERMAKOVA].

Tollina **gen. n.**, SOKOLOV 1949 [not seen—probably Trud. palaeont. in-ta AN S.S.S.R. 20 1949].

Xavorskia p. 56, *barsasensis* p. 57 fig., [GHORSKI].

ZOANTHARIA

†*Acanthophyllum* ex gr. *clermontensis* p. 124 fig., ex gr. *multiseptatum* p. 124 fig., FIRTION.

Acropora formosa p. 340 fig., *abrotanoides* p. 341, *pectinata* p. 341 fig., cf. *hebes* p. 342 fig., *gemmaefera* p. 342 fig., UTINOMI.

†*Acrosmilina* p. 81, =*Leptophyllia* auctt. p. 85, *fromenteli* **sp. n.** (for *Trochomilina obliqua* de Fromental non d'Orbigny) p. 85 fig. Cenomanian France, ALLOITEAU.

†*Acrosmilidae* **nom. n.** for *Leptophylliidae* p. 321, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Actinacis vignyensis* **sp. n.** pl. 7, fig. 4, pl. 18, fig. 9 no horizon or locality given, sp. pl. 19, fig. 11, ALLOITEAU.

†*Actinastraea* [as *Actinastrea* (sic)] pp. 53, 54, *decaphylla* p. 53 fig., *konincki* p. 53, sp. pl. 3, fig. 20, ALLOITEAU.—*A. fulopi* **sp. n.** pp. 81, 83 fig. Lower Cretaceous Hungary, KOLOSVÁRY (4).

†*Actinastracidae* **fam. n.** p. 78, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Actinhelia* p. 387, *carantonensis* **sp. n.** pl. 3, figs. 12, 13. pl. 19, fig. 2 no horizon or locality given, ALLOITEAU.

Actinia equina p. 80, LEFEVERE, LELOUP & VAN MEEL.

†*Actinoseris* p. 338, *cenomanensis* p. 339 fig., ALLOITEAU.

†*Adelocoenia* **sp. n.** (sic) p. 69 fig. Jurassic Greece, BRUNN.—*A.* [as *Adelocoenia* (sic)] *corallina* the type sp. of *Heliostylina* p. 150, LAFUSTE (3).

Agaricia p. 303, *undata* fig. 261, *agaricites* fig. 262, ALLOITEAU.

Agariciidae p. 302, ALLOITEAU.—*A.* p. 8, NEMENZO.

Agathiphyllidae p. 82, NEMENZO.

†*Ahrdorffia* p. 209, *corbariensis* **sp. n.** pl. 4, fig. 8, pl. 10, g. 7 no horizon or locality given, *mamillata* (sic) pl. 4, fig. 10, *rennensis* **sp. n.** pl. 18, fig. 13 no horizon or locality given, ALLOITEAU.

†*Allocoenia* [as *Allocaenia* (sic)] discussed pp. 53, 61, *trochiformis* p. 61, *furcata* pl. 12, fig. 9, *stellata* pl. 12, fig. 10, pl. 15, fig. 6, ALLOITEAU.

†*Allophyllum* **gen. n.** (fam. Zaphrentoididae) p. 362, type sp. (by original designation) *grunau* **sp. n.** p. 367 fig. Permian Timor, SCHOUPPE N.J. Geol. Pal. Abh. 104 3 1957.

†*Allotrophiophyllum grabau* pp. 331, 341 fig., Wü.

†*Amblophyllia* p. 104, *obtusa* is a *Montlivaltia* pp. 104, 251, *cretacea* the type sp. of *Eusmiliopsis* pp. 104, 251, *rupellensis* not an *Amblophyllia* pp. 104, 251, ALLOITEAU.

†*Amphiastraea* pp. 353, 366, *basaltiformis* p. 354 fig., *waltheri* a sp. of *Mitrodendron* p. 357, *gracilis* figs. 243, 248, ALLOITEAU.

†*Amphiastracida* pp. 353, 369, ALLOITEAU.

†*Amphiastracidae* pp. 280, 358, ALLOITEAU.

†*Amplessus* sp. p. 132 fig., FIRTION.—*A.* p. 57, *coralloides* p. 57 fig., [GHORSKI].

†*Amygdalophylloides* **gen. n.** p. 23, type sp. (by original designation) *Amygdalophyllum ivanowi* p. 24, var.

kourovii **var. n.** p. 24 fig., *monoseptatus* **sp. n.** p. 26 fig., *var. robusta* **var. n.** p. 27 fig., *rareseptatus* **sp. n.** p. 28 fig., *crassicolumellatus* **sp. n.** p. 30 fig., Carboniferous Russia, [DOBROLYUBOVA & KABAKOVICH].

†*Amygdalophyllum ivanowi* the type sp. of *Amygdalophylloides* p. 23, [DOBROLYUBOVA & KABAKOVICH].

†*Andemantastracidae* **fam. n.** pp. 78, 287, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Anisastraea* **gen. n.** (fam. Dendrogyriidae) p. 162, type sp. (by original designation) *Isastraea lamellosissima* p. 162 Jurassic no loc. given, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Anisoria* [as *Anosoria* (sic)] figs. 198, 199 pp. 170, 283, *vidali* pp. 170, 283 fig., ALLOITEAU.—*A. linarii* p. 63 fig., *vidali* p. 64 fig., BATALLER.—*A. vidali* p. 91 (27) fig., BATALLER (2).

†*Anthophyllum* p. 103, ALLOITEAU.

†*Antillastraea* p. 70, ALLOITEAU.

†*Aphrastraea* p. 145, ALLOITEAU.

†*Aplophyllia* [as *Aplophyllia* (sic)] *marini* p. 42 fig., BATALLER.

†*Aplosastraea* [as *Aplosastrea* (sic)] a synonym of *Actinastraea* pp. 53, 64, ALLOITEAU.

†*Aplosmilia* p. 359, ALLOITEAU.—*A. vidali* p. 43 fig., BATALLER.—*A. vidali* p. 85 (21) fig., BATALLER (2).

†*Apolytphyllum* p. 52, *timanicum* **sp. n.** Bulvanker in litt. p. 52 fig. Devonian U.S.S.R., JAKOWLEW.

†*Arachnolasma* a subgenus of *Lophophyllum* p. 62, *sinense* var. *pauciseptata* **var. n.** p. 62 fig. Lower Carboniferous U.S.S.R., [GHORSKII].

†*Arachnophyllum pentagonum* pl. 10, fig. 12, *striatum* pl. 10, fig. 13, EHLERS & KESLING.

†*Archaeocoeniida* [as *Archeocoeniida* (sic)] **sub-ord. n.** p. 78, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Archophyllum* p. 54, *markovi* p. 54 fig., JAKOWLEW.

†*Aspidiscus cristatus* var. *bernedensis* p. 65 fig., *montgrinensis* p. 66 fig., BATALLER.—*A. cristatus* p. 152 fig., Thomas in THOMAS & OMARA.

†*Asteroseris* p. 339, *coronula* p. 339 fig., ALLOITEAU.

†*Asthenophyllum patula* pl. 10, figs. 1-3, EHLERS & KESLING.

†*Astraea* [as *Astrea* (sic)] p. 203, *irregularis* the type sp. of *Defrancia* p. 156, *decipiens* the type sp. of *Astraeofungia* p. 213, *laganum* the type sp. of *Fungiastrea* p. 216, ALLOITEAU.

†*Astraeofungia* **gen. n.** (fam. Thamnasteriidae) p. 213, type sp. (by original designation) *Astraea decipiens* p. 213 fig. Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Astraeomorpha* p. 207, *crassisepta* p. 207, ALLOITEAU.

†*Astrhelia palmata* p. 40 fig., VOKES (1).

†*Astrocoenia* [as *Astrocaenia* (sic)] p. 51, *numisma* p. 51 fig., ALLOITEAU.—*A. minima* **sp. n.** p. 574 fig. L. Cretaceous Venezuela, *whitneyi* p. 575 fig., VON DER OSTEN.

†*Astrogyra* p. 254, *edwardsi* p. 254, *orbigny* p. 254, ALLOITEAU.

†*Astrophyllia* a junior synonym of *Favia* pp. 142, 143, ALLOITEAU.

†*Aulastraea* a junior synonym of *Mitrodendron* p. 366, ALLOITEAU.

†*Aulastraeopora* pp. 369, 370, ALLOITEAU.

†*Aulastraeoporidae* p. 371, ALLOITEAU.

†*Aulophyllia* **gen. n.** (fam. Smilotrochiidae) p. 111, type sp. (by original designation) *Montilivaltia excelsa* p. 111 fig. Rauracian? France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Aulophyllum* p. 68, *fungites* p. 68 fig., [GHORSKII].

†*Aulosmilia* **gen. n.** (fam. Macandriidae) p. 85, type sp. (by original designation) *Trochosmilia archiaci*, neotype chosen p. 85 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Axophyllia* pp. 239, 291, *nantuacensis* pp. 239, 291, ALLOITEAU.

†*Axophyllum cylindricum* **sp. n.** p. 32 fig. Carboniferous Russia, [DOBROLYUBOVA & KABAKOVICH].

†*Axosmilia* p. 363, *extinctorum* p. 363, ALLOITEAU.—*A. almerai* p. 101 fig., *bofilli* p. 102 fig., BATALLER.

†*Axosmiliopsis* **gen. n.** (fam. Stylophylliidae) p. 133, type sp. (by original designation) *Montlivaltia fritillus* p. 113 fig. Lias France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Balanophyllia italica p. 16, *regia* p. 17, ROSSI.—*B. fistula* p. 345, UTINOMI.

Baryastra p. 134, ALLOITEAU.

†*Barycora* **gen. n.** (fam. Helias-tracidae) p. 193, type sp. (by original designation) *corbariensis* **sp. n.** (?= *Pleurocora haueri* p. 189) p. 194 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Baryphyllia* p. 308, *gregaria* p. 309, ALLOITEAU.

†*Barysmilia* p. 264, *tenuicostata* p. 181, *brevicaulis* p. 264 fig., *gregaria*, *dalmatica* p. 265, ALLOITEAU.

†*Battersbyia* discussed p. 91, *symbiotica*, *syringoporoides* p. 98, *inaequalis* p. 98 fig., *declarata* **sp. n.** p. 99 fig. Devonian Germany, **sp. p.** 101, *conglomeratum* p. 101 fig., aff. *anisactis* p. 103 fig., *B. ? ryani*, *creswelli* p. 98, *varia* p. 103 fig., GLINSKI.

Biflabellum anthophyllum p. 11, ROSSI.

†*Bighornia* **gen. n.** (fam. Streptelasmidae) p. 608, type sp. (by original designation) *parva* **sp. n.** p. 611 Ordovician Wyoming, U.S.A., *anticonvexa*, aff. *breve*, *integriseptatum*, cf. *integriseptatum*, *patellum*, *scheii*, *solearis* p. 610, DUNCAN J. Paleont. 31 3 1957.

†*Blastosmilia* p. 369, ALLOITEAU.

†*Blothrocyathus* p. 364, ALLOITEAU.

†*Bothrophyllum* p. 91, possibly synonymous with *Caninophyllum* p. 92, CAMPBELL.—*B. p.* 10, *conicum* p. 11, var. *novlinskoi* **var. n. p.** 11 fig., *flexuosum* **sp. n. p.** 12 fig., *pseudoconicum* p. 14 fig., var. *conicum* **var. n. p.** 14 fig., *B. (?) irregulare* **sp. n. p.** 16 fig., Carboniferous Russia, [DOBROLYUBOVA & KABAKOVICH].

†*Brachycaulia* **gen. n.**, type sp. (by original designation) *jacobi* **sp. n. p.** 2, fig. 6, pl. 11, fig. 2, pl. 19, fig. 10 no horizon or locality given, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Brachymeandra* [sic] **gen. n.** (fam. Thamnasteriidae) p. 292, type sp. (by original designation) *delphinensis* **sp. n. p.** 292 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Brachyseris* p. 309, *morchella* p. 309, *B. ? norica* p. 242, *B. ? curtata*, *variabilis*, *brevivallis*, *germaini*, *thurmanni*, *contorta*, *minima*, *undans*, *gourdani*, *cylindrica* p. 310, ALLOITEAU.

Branchiocerianthus norvegicus **sp. n. p.** 1359 Norway, BRATTSTRÖM.

†*Calameustolia* **gen. n.** p. 179, type sp. (by original designation) *valfinensis* **sp. n. p.** 179 fig. Jurassic France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Calamophyllia* p. 174, *striata* p. 176 fig., *flabellata* the type sp. of *Calamophylliopsis* p. 176, *crassitorquata*, *ducreti*, *crassa*, *lombricalis*, *compressa* and perhaps *stokesi* are all *Calamophylliopsis* p. 178, *flabellum*, *strangulata* (= *granulosa*), *articulata* are all *Calamoseris* p. 179, ALLOITEAU.—*C. marini* p. 59 fig., *vidali* p. 60, BATALLER.—*C. vidali* Mallada MS. **sp. n. p.** 90 (25) fig. Lower Cretaceous Spain, BATALLER (2).—*C. rhaetiana* p. 128 fig., NÄPRSTEK.

†*Calamophylliopsis* **gen. n.** p. 176, type sp. (by original designation) *Calamophyllia flabellata* p. 177 fig. Jurassic France, *crassitorquata* p. 178 fig., *ducreti*, *crassa*, *lombricalis*, *compressa* p. 178, *C. ? stokesi*, p. 178 fig., ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Calamoseris* **gen. n.** p. 178, type sp. (by original designation) *Eunomia nodosa* p. 178 fig. Jurassic France, *flabellum*, *strangulata* (= *granulosa*), *articulata* p. 179, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Calceola sandalina* p. 133, FIRTION.—*C. sandalina* var. *grandivesiculosa* p. 54 fig., JAKOWLEW.

†*Campophyllum annulatum* p. 18 fig., *C. (?) compositum* p. 19 fig., **spp. n.** Carboniferous Russia, [DOBROLYUBOVA & KABAKOVICH].—*C. p.* 60, *amplexoides* p. 61 fig., [GHORSKII].

†*Caninia inostranzewi* p. 72 fig., *forma densa* **form. n.** p. 81 fig. Carboniferous Russia, [DOBROLYUBOVA (1)].—*C. p.* 58, *dorlodoti* p. 58 fig., *cylindrica* p. 59 fig., *spumosa* p. 59 fig., *inostranzewi* p. 59 fig., [GHORSKII].

†*Caninophyllum* p. 91, possibly synonymous with *Bothrophyllum* p. 92, *sumphuens* p. 92 fig., CAMPBELL.—*C. p.* 60, *patulum* var. *tomiensis* p. 60 fig., [GHORSKII].

†*Carantophyllum* **gen. n.** p. 199, type sp. (by original designation) *arnaudi* **sp. n.** p. 199 fig. Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Carantoseris* **gen. n.** (fam. Acrosmiliidae) p. 88, type sp. (by original designation) *Ellipsosmilia humilis* p. 88 fig. Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Carcinophyllum* p. 67, *lonsdaleiforme* p. 67 fig., [GHORSKII].

Caryophyllia clavus figs. 266, 267, ALLOITEAU.—*C. clavus* p. 5, *smithi* p. 7 fig., ROSSI.—*C. cf. scobinosa* p. 344, U TINOMI.

†*Caryophyllia mcglameryae* **sp. n.** p. 992 fig. Eocene Alabama, SQUIRES.—*C. degenerans* p. 145 fig., ZÁZVORKA.

†*Cellastraea* [as *Cellastrea* (sic)] pp. 71, 146, ALLOITEAU.

†*Cenomanina* **gen. n.** (fam. Dendrogyriidae) p. 193, type sp. (by monotypy) *Rhabdocora exiguis* p. 193 Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Cenomanosmilia cenomana* pl. 5, fig. 17, ALLOITEAU.

†*Centrastraea* [as *Centrastrea* (sic)] a junior synonym of *Thamnasteria* p. 202, *collinaria* the type sp. of *Stereocoenia* p. 206, *miceliniana* is partly *Polyastropsis* and partly *Parasynastraea* p. 218, ALLOITEAU.—*C. ermani* p. 72 fig., BATALLER.

†*Ceratocoenia* [as *Ceratocaenia* (sic)] p. 363, ALLOITEAU.

†*Ceratophyllum* ex gr. *dianthus* p. 127 fig., FIRTION.

†*Ceratosmilia* **gen. n.** (fam. Smilotrochiidae) p. 115, type sp. (by original designation) *arnaudi* **sp. n.** p. 116 fig. Cenomanian France, *C. ? raricosta*, *C. ? brevis* p. 116, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Chorisastraea* a junior synonym of *Latomaeandra* p. 240, ALLOITEAU.

Cladocora cespitosa p. 13 fig., ROSSI.

†*Cladocora* p. 185, *tenuis* = *Rhabdophyllia reussi* p. 180, *caespitosa* p. 186 fig., *dumartieri* is *Haplohelix paillettei* p. 191, *humilis* p. 191, *simonyi* p. 192, *tenuis* is a ? *Goniocora* p. 192, *arbuscula* figs. 139, 140, ALLOITEAU.—*C. submanipulata* **sp.**

n. p. 205 Eocene Spain, ALA TRUE, ALMELA & RIOS.—*C. gabriellinae* p. 59 fig., BATALLER.

†*Cladophyllia* pp. 359, 362, ALLOITEAU.

†*Clausastraea* [as *Clausastrea* (sic)] p. 204, *parva* p. 205 fig., *lamellostriata* p. 205, ALLOITEAU.

†*Clisaxophyllum rugosum* var. *ofukuensis* p. 77, YABE.

†*Clisiophyllum* aff. *m'coyanum* [sic] p. 139 fig., MINATO & KATO (1).

†*Clypeofavia* p. 143, ALLOITEAU.

†*Coccophyllum* p. 359, ALLOITEAU.

†*Codonophyllum bekkeri* subsp. *bekkeri* **subsp. n.** p. 159 fig., var. *dentata* **var. n.** p. 160 fig., subsp. *biohermica* **subsp. n.** p. 161 fig., Ordovician or Silurian Baltic area, *rhizobolon* p. 162 fig., *tubaeformis* **sp. n.** p. 163 fig. Ordovician or Silurian Baltic area, KALJO.

Coeloria p. 255, ? a subgenus of *Platygyra* p. 256, *daedalea* p. 255, ALLOITEAU.

†*Coeloria* **sp. n.** [sic] p. 648 fig. Miocene Japan, ARAI.

Coeloseris mayeri p. 11 fig., NEMENZO.

†*Coenastraea* [as *Caeastraea* (sic)] pp. 53, 67, ALLOITEAU.

Coenocyathus mouchezii p. 9 fig., ROSSI.

†*Coenotheca* p. 104, ALLOITEAU.

Colpophyllia p. 256, *gyrosa* p. 256, ALLOITEAU.

†*Columactinastraea* **gen. n.** (fam. Actinastracidae) p. 72, type sp. (by original designation) *rennensis* **sp. n.** p. 73 fig. U. Cretaceous France, *dumortieri* pl. 3, fig. 19, *formosa* pl. 18, fig. 5, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Columastraea* [as *Columastrea* (sic)] p. 57, a senior synonym of *Stephastrea* de Fromentel non Étallon p. 61, *delcrosi* p. 123 fig., *striata* fig. 12, ALLOITEAU.—*C. antiqua* p. 575 fig., VON DER OSTEN.—See also *Columnastraea*.

†*Columastracidae* **fam. n.** p. 78, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Columellastraea* p. 69, ALLOITEAU.

†*Columnaria rhenana* the type sp. of *Dendrostella* (q.v.) pp. 87, 88 fig., GLINSKI.

†*Columnastraea leymeriei* p. 109 fig., BATALLER.—See also *Columastraea*.

†*Columnocoenia* [as *Columnocaenia* (sic)] **gen. n.** (fam. ?) pp. 121, 134, type sp. (by original designation) *lamberti* **sp. n.** pp. 121, 135 fig. U. Cretaceous France, *lifolensis*, *laevicostata* [as *loevicostata* (sic)] pp. 120, 136, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Comastraea* [as *Comastrea* (sic)] p. 240, ALLOITEAU.

†*Comophyllastraea* **gen. n.** (fam. Montivaltiidae) p. 253, type sp. (by original designation) *corbariensis* **sp. n.** p. 253 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Comophyllia* pp. 240, 293, *elegans* pp. 240, 293, *cottaldina* pl. 15, fig. 2, ALLOITEAU.

†*Comophylliopsis* **gen. n.** (fam. ? Synastracidae) p. 294, type sp. (by original designation) *Latomaeandra rustica* (= *Oulophyllia turbinata*) p. 294 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Comoseris* p. 325, *maeandrinoides* [as *meandrinoides* (sic)] p. 325, ALLOITEAU.

†*Complexastraea* [as *Complexastrea* (sic)] p. 157, ALLOITEAU.

†*Confusastraea* [as *Confusastrea* (sic)] pp. 157, 241, *crassa* p. 157, *rigauxi*, *magnifica* p. 241, ALLOITEAU.

†*Connectastraea* p. 366, ALLOITEAU.—*C.* [as *Conectastraea* (sic)] cf. *ogilviae* p. 69 fig., BRUNN.

†*Conophyllia* p. 104, ALLOITEAU.—*C.* sp. ind. p. 98 fig., sp. juv. p. 98 fig., *boletiformis* p. 98, KOLOSVÁRY (5).

†*Convexastraea almerai* p. 47 fig., BATALLER.

†*Corbariastraea* **gen. n.** (fam. ? Agathiphyllidae) p. 214, type sp. (by original designation) *rennensis* **sp. n.** p. 214 fig. U. Cretaceous France, *exaltata*, *composita*, *montuosa* p. 215, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Corwenia* discussed pp. 74, 78, *chutzingensis*, *chihsiaensis*, *chiuyaoshanensis*, *parachihsiaensis*, *lipoensis*, *diphyphyll-*

loides p. 74, and *hasimotoi* p. 77 are all spp. of *Huangia*, *densicolumella* is probably *Heritschioides* p. 75, cf. *lipoensis* Dobrolyubova is insufficiently known p. 75, *rugosum* var. *ofukuensis* is *Clisaxophyllum* p. 77, YABE.

Coscinaraea p. 323, *maeandrina* [as *meandrina* (sic)] p. 323, ALLOITEAU.—*C.* p. 54, *columna* p. 54 fig., NEMENZO.

†*Craspedophyllia maheli* **sp. n.** p. 98 fig. Triassic Czechoslovakia, KOLOSVÁRY (5).

Ctenella p. 272, *chagius* p. 272, ALLOITEAU.

Ctenophyllia a junior synonym of *Maeandrina* p. 244, ALLOITEAU.

†*Cunnilites* p. 334, *barrerei* **nom. n.** (sic) p. 333 fig. locality and horizon unknown, *corbieriaca* [as *corbarica* (sic)] and *corbariensis* (sic)] p. 334 fig., *beaussetensis* **sp. n.** p. 349 fig. U. Cretaceous France, *plani-alpici* **sp. n.** p. 349 fig. U. Cretaceous France, *corbariensis* figs. 221–223, pl. 19, fig. 15, *merigonensis* **sp. n.** pl. 3, figs. 9, 10, 16, 17 [U. Cretaceous France], ALLOITEAU.

†*Cyathaxonina* p. 61, *cornu* p. 61 fig., [GHORSKII].

†*Cyathoclisia* (?) *simmetrica* p. 32 fig., [DOBROLYUBOVA & KABAKOVICH].—*C.* p. 66, *coniseptum* p. 66 fig., [GHORSKII].

†*Cyathocoenia* [as *Cyathocaenia* (sic)] pp. 53, 64, *C.* Duncan is imperfectly known, *C.* Volz is partly *Procyathophora* (or *Heterocoenia*) and partly *Orbignycoenia* and *C.* de Fromentel is a junior synonym of *Orbignycoenia* p. 60, ALLOITEAU.

†*Cyathophora fontseriei* p. 48 fig., BATALLER.

†*Cyathophyllum syringoporoides* p. 98 and *anisactis* pp. 98, 103 are spp. of *Battersbyia*, GLINSKI.—“*C.*” *hydraulicum* pl. 12, figs. 13, 14, EHLERS & KESLING.

†*Cyathoseris infundibulum* = *Trochoseris distortum* [as *distoria* (sic) p. 370] pp. 370, 395, ALLOITEAU.

†*Cyclastraea* **gen. n.** (fam. Cyclastracidae) p. 341, type sp. (by original designation) *Cyclolites spinosa* p. 340 fig. Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Cyclolites* a senior synonym of *Palaeocyclus* pp. 331, 335, *hemisphaerica*, *elliptica* p. 332, *alpina* Duncan non d'Orbigny the type sp. of *Zittelofungia* p. 335, *alpina* d'Orbigny the type sp. of *Funginellastraea* pp. 335, 344, 345, *spinosa* the type sp. of *Cyclastraea* p. 341, *aptiensis* the type sp. of *Cyclophyllopsis* p. 342, *numismalis* auctt. partim = *uxacalcensis* the type sp. of *Pseudocycloseris* p. 343, *ellipticus* var. *subcircularis* p. 345, *elliptica* pp. 347, 348, *polymorpha* is partly *Cunulolites beausse-tensis*, *undulatus*, and *plani-alpici* and partly *Plesiocunulolites subcircularis* and *P. goldfussi* p. 349, *suevica* a sp. of *Thecocyathus* p. 350, ALLOITEAU.

†*Cyclophyllopsiidae* p. 283, ALLOITEAU.

†*Cyclophyllopsis* **gen. n.** (fam. *Cyclophyllopsiidae*) p. 342, type sp. (by original designation) *Cyclolites aptiensis* p. 341 fig. Lower Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Cycloria* a synonym of *Meandroria* p. 171, ALLOITEAU.

Cycloseris p. 56, *cyclolites* p. 57, NEMENZO.

†*Cycloseris sublenticularis* **sp. n.** p. 204 Eocene Spain, ALASTRUE, ALMELA & RIOS.—*C.* p. 337, *cyclolites* fig. 228, ALLOITEAU.—*C. escosurae* p. 67 fig., *crepellii* p. 68 fig., BATALLER.

Cyphastraea p. 131, *microphthalma* p. 131 fig., ALLOITEAU.

†*Cyphastraea* [as *Cyphastrea* (sic)] sp. p. 648 fig., ARAI.

†*Cystiphyllum vesiculosum* p. 122 fig., FIRTION.—*C.* sp. p. 20 fig., SGARBI.

†*Dactylastraea* [as *Dactylastrea* (sic)] p. 207, ALLOITEAU.

†*Dactylocoenia* p. 204, ALLOITEAU.

†*Dactylosmilia* p. 197, *carantonensis* p. 197, *cenomana* p. 197, ALLOITEAU.

†*Defrancia* **gen. n.** (fam. *Dendrogyriidae*) p. 156, type sp. (by original designation *Astraea* [*Favites*] *irregularis* p. 156 Miocene France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Delphinastraea* **gen. n.** (fam. *Thamnasteriidae*) p. 222, type sp. (by original designation) *jauberti* **sp. n.** p. 222 fig. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Dendrastraea* [as *Dendrastrea* (sic)] pp. 159, 208, ALLOITEAU.

†*Dendrocyathus* **gen. n.** p. 199, type sp. (by original designation) *Dactylosmilia cenomana* p. 199 fig. Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Dendrogyra* pp. 165, 359, *senessei* p. 169 fig. and *dumortieri* p. 172 are spp. of *Meandroria*, *cylindricus* figs. 116–118, ALLOITEAU.—*D. carmonae* p. 43 fig., BATALLER.

†*Dendrogyriidae* p. 264, ALLOITEAU. *Dendrophyllia ramea*, *cornigera* p. 17, ROSSI.

†*Dendrophyllia darderi* p. 78 fig., BATALLER.

†*Dendrosmilia* p. 198, *crassa* p. 198, *cenomana* the type sp. of *Dendrocyathus* pp. 198, 199, ALLOITEAU.—*D. ruizi* p. 45 fig., BATALLER.

†*Dendrostella* **subgen. n.** of *Favistella* (fam. *Stauriidae*) p. 87, type sp. (by original designation) *Columnaria rhenana* p. 88 fig. Devonian Germany, *praerhenana* **sp. n.** p. 90 fig. Devonian Germany, GLINSKI Senck. leth. 38 1–2 1957.

†*Dermoseris* p. 241, ALLOITEAU.

†*Dermosmilia neocomiensis* p. 181, ALLOITEAU.

†*Dermosmiliopsis* **gen. n.** (fam. *Brachyphylliidae*) pl. 4, fig. 6, type sp. (by original designation) *orbigny* **sp. n.** pl. 4, fig. 4 no horizon or locality given, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Desmastraea p. 159, ALLOITEAU.

Desmophyllum cristagalli p. 10, ROSSI.

†*Dibunophyllum* p. 66, *vaughani* p. 67 fig., *derbiense* p. 67 fig., [GHORSKII].—*D. rugosum* var. *ofukuensis* is a *Clisaxo-phyllum* p. 77, YABE.

†*Dichocaeniopsis* [sic] **gen. n.** (fam. *Dendrogyriidae*) pp. 264, 266, type sp. (by monotypy) *Stenosmilia proletaria* pp. 264, 265 fig. U. Cretaceous Gosau, ALLOITEAU Contrib. Madr. Syst. foss. 1957.

Dichocoenia [as *Dichocaenia* (sic)] p. 275, *porcata* p. 275 fig., *stokesi* the type sp. of *Paradichocaenia* [sic] p. 277, ALLOITEAU.

†*Dichocoeniinae* [as *Dichocaeniinae* (sic)] p. 275, ALLOITEAU.

- †*Dictioastraea* p. 147, ALLOITEAU.
- †*Dictuophyllia* pp. 167, 256, *reticulata* pp. 167, 256, ALLOITEAU.
- †*Dimorpharaea* p. 228, ALLOITEAU.
- †*Dimorphastraea castroi* p. 206 fig., *cortazari* p. 207 fig., **sp. n.** Eocene Spain, ALASTRUE, ALMELA & RIOS.—*D.* p. 225, *grandiflora* p. 225 fig., *rudis* and *alternata* are spp. of *Dimorphocoenia* p. 227, a senior synonym of *Dimorphoseris* p. 227, 228, and ? of *Dimorphophyllia* p. 228, ALLOITEAU.—*D.* [as *Dimorphastrea* (sic)] *crassisepta* p. 1170, [ALYEV].—*D.* ? [as *Dimorphastrea* ? (sic)] sp. p. 648 fig., ARAI.—*D. crassisepta* var. *subcrassisepta* p. 73 fig., *lamberti* p. 74 fig., BATALLER.
- †*Dimorphocoenia* p. 226, *crassisepta* p. 226, *rudis*, *alternata* p. 227, ALLOITEAU.
- †*Dimorphophyllia* p. 303, possibly a junior synonym of *Dimorphastraea* p. 228, ALLOITEAU.
- †*Dimorphoseris* p. 227, ? a junior synonym of *Dimorphastraea* p. 227, ALLOITEAU.
- †*Dimorphosmilia* p. 228, ALLOITEAU.
- †*Dinophyllum* ? *umbonata* pl. 10, fig. 14, EHLERS & KESLING.
- †*Diphyphyllum* p. 63, *kirgisense* p. 63 fig., [GHORSKI].—*D. delicatum* **sp. n.** p. 137 fig. Carboniferous Japan, MINATO & KATO (1).
- Diploastraea* [as *Diploastrea* (sic)] p. 82, *heliopora* p. 82 fig., NEMENZO.
- †*Diplocoenia* [as *Diplocaenia* (sic)] p. 366, ALLOITEAU.
- †*Diploctenium falloti* p. 95 fig., BATALLER.—*D. pachecoi* **sp. n.** p. 87 fig. U. Cretaceous Spain, BATALLER (1).
- †*Diplogyra* p. 250, ALLOITEAU.
- †*Diploria* p. 257, *labyrinthiformis* p. 257, *crasso-lamellosa* not a *Diploria*, *neptuni* and probably *conferticostata*, *latisinuata* and *slaviceki* are *Orbignygyra* p. 257, ALLOITEAU.—*D. meridionalis* p. 61 fig., BATALLER.
- †*Diplotheastraea* p. 367, ALLOITEAU.
- †*Diplotheophyllia* p. 250, *basseae* **sp. n.** p. 251 fig. ? Thanetian or U. Cretaceous Madagascar, ALLOITEAU.
- Dipsastraea* [as *Dipsastrea* (sic)] a junior synonym of *Favites* p. 140, ALLOITEAU.
- †*Discocoenia* [as *Discocaenia* (sic)] p. 363, ALLOITEAU.
- †*Disphyllum* [*Phacelophyllum* (sic)] *caespitosum* p. 291 fig., PRANTL (2).
- †*Dohmophyllum clarkei* p. 126 fig., FIRTION.
- †*Donascosmilia* pp. 362, 365, *corallina* pl. 14, fig. 4, pl. 15, fig. 8, pl. 17, fig. 2, ALLOITEAU.
- †*Dordonophyllia* **gen. n.** (fam. Favidae) p. 194, type sp. (by original designation) *arnaudi* **sp. n.** p. 195 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.
- †*Ebrayia* p. 150, *fromenteli* p. 150 fig., ALLOITEAU.
- †*Edwardsoseris* p. 320, ALLOITEAU.
- †*Edwardsosmilia fujasi* pl. 6, fig. 13, ALLOITEAU.
- †*Elasmofungia* **gen. n.** (fam. Haplaracidae) p. 285, type sp. (by original designation) *comoserioides* **sp. n.** p. 286 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.
- †*Elasmophyllia tolmachoffana* p. 577 fig., VON DER OSTEN.
- †*Ellasmoastraea* p. 147, *intermedia* p. 147, ALLOITEAU.
- †*Ellipsocoenia* (as *Ellipsocaenia* (sic)) pp. 138, 143, *turbinati* p. 138 fig., *cotteaui* p. 143 fig., *micellini*, *nantuacensis*, *striatula*, *ritteneri*, *lobata*, *plana*, *hemispherica*, *planissima*, *maestrichtiensis* p. 144, *ambigua* p. 218, ALLOITEAU.
- †*Ellipsoidastraea* **gen. n.** p. 348, type sp. (by original designation) *lucasi* **sp. n.** p. 347 fig. Liassic Algeria, ALLOITEAU Contrib. Syst. Madr. foss. 1957.
- †*Ellipsosmilia* pp. 81, 84, 96, 104, 364, *cornucopiae* figs. 50–52, *affixa* pl. 5, fig. 20, ALLOITEAU.
- †*Elysastraea* identical with *Hymenophyllia* p. 205, *fischeri* p. 204, ALLOITEAU.—*E.* [as *Elysastraea* (sic)] *fischeri* ? p. 97 fig., KOLOSVÁRY (5).
- †*Enallastraea* [as *Enellastrea* (sic)] is partly *Stylophora* and partly *Actinastraea* p. 60, ALLOITEAU.
- †*Enallocoenia* [as *Enallocaenia* (sic)] pp. 53, 68, ALLOITEAU.
- †*Enallohelix malladai* p. 108 fig., *vidali* p. 109, BATALLER.—*E. vidali*

Mallada MS. **sp. n.** p. 86 (22) Upper Cretaceous Spain, BATALLER (2).

†*Entelophyllum* p. 137, *articulatum* p. 140 fig., *dalecarlicum* p. 141 fig., *uralicum* p. 142 fig., [SUITOVA].

†*Enterolasma strictum* p. 195 fig., VOKES.

†*Epiphyllum* **gen. n.** (fam. Procy-clolitidae) p. 107, type sp. (by original designation) *Montlivaltia arenula* p. 107 fig. Lias France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Episeris* discussed p. 336, *macrostoma* p. 336, ALLOITEAU.

†*Epismilia* pp. 91, 104, *haimei* p. 91 fig., *eudesi* p. 93 fig., *E. ? caryophyllata* is *Montlivaltia subcaryophyllata* p. 93 fig., *liasica* the type sp. of *Epismiliopsis* p. 93, all Koby's spp. are *Paramontlivaltia* p. 94, Prever's spp. not *Epismilia* p. 94, *grandidieri* the type sp. of *Macgeopsis*, p. 95, ALLOITEAU.—*E. colomi* p. 89 fig., *frechi* p. 90 fig., *landereri* p. 91 fig., *malladai* p. 92 fig., *ogilviei* p. 92 fig., *simplex* p. 93 fig., *tarraconensis* p. 94 fig., BATALLER.—*E. excavata* p. 117 fig., BRUNN.—*E. rozloznyi* **sp. n.** p. 311 fig. Senonian Hungary, KOLOSVÁRY (2).

†*Epismiliopsis* **gen. n.** (fam. Stylophyllidae) p. 93, type sp. (by original designation) *Epismilia liasica* p. 93 fig. Lias France, *eudesi* pl. 6, fig. 7, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Epizoanthus arenaceus p. 322 fig., subsp. *neapolitanus* **subsp. n.** p. 323 fig. Gulf of Naples, sp. p. 326 fig., PAX.—*E. mediterraneus* p. 23 fig., PAX & MÜLLER.

†*Eugyra* pp. 170, 359, *neocomiensis* figs. 127–128, ALLOITEAU.—*E. neocomiensis* p. 1169 fig., [ALYEV].—*E. pusilla* var. *pauciseptata* p. 44 fig., BATALLER.

†*Eunomia* p. 173, a synonym of *Lochmaeosmilia* p. 174, *radiata* neotype chosen p. 173 fig., *nodosa* the type sp. of *Calamoseris* p. 178, *trapeziformis* p. 361, ALLOITEAU.

Euphyllia pp. 278, 359, ALLOITEAU.

†*Euphyllia pachecoi* p. 89 fig., BATALLER (1).

Euphyllinae p. 278, ALLOITEAU.

†*Eupsammia* p. 413, *trochiformis* fig. 281, ALLOITEAU.

Eusmilia p. 279, *fastigiata* p. 279 fig., ALLOITEAU.

†*Eusmiliopsis* **gen. n.** pp. 104, 251, type sp. (by monotypy) *Amblophyllia cretacea* pp. 104, 251 Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Fascicularia ? conglomerata* a sp. of *Battersbyia* p. 101 fig., GLINSKI.

†*Fasciphyllum varium* pp. 98, 103 and *ryani* p. 98 are possibly spp. of *Battersbyia*, GLINSKI.

†*Favastraea* p. 159, ALLOITEAU.

Favia p. 137, *fragum* p. 137 fig., *cotteaui* p. 143 fig., *micelini*, *nantuaensis*, *striatula*, *riteneri*, *lobata*, *thurmanni*, *eminens*, *ornata* p. 144 are spp. of *Ellipsocoenia*, *conferta* is a sp. of *Thalamocoenia* p. 144, *inaequalis* is a sp. of *Latomaeandra* p. 144, *rotulosa* fig. 99–100, ALLOITEAU.

†*Favia* [as *Fabia* (sic) on pl.] *bauzai* **sp. n.** p. 206 fig. Eocene Spain, ALASTRUE, ALMELA & RIOS.

Faviidae p. 255, ALLOITEAU.

†*Favistella* discussed p. 86, *F. (Dendrostella) rhenana* p. 88 fig., *praerhenana* **sp. n.** p. 90 fig. Devonian Germany, GLINSKI.

Favites aspera p. 344 fig., UTINOMI.

†*Favites* discussed p. 145, *irregularis* the type sp. of *Defrancia* p. 156, *abditia* figs. 106–109, ALLOITEAU.

†*Favoidea* p. 142, ALLOITEAU.

†*Feddenia* p. 82, ALLOITEAU.

†*Felixastraea* p. 321, *zitteli* pp. 270, 272, 321, ALLOITEAU.

†*Ferrya* p. 266, *burgundiae* p. 267 fig., ALLOITEAU.

†*Fissicella* a junior synonym of *Favia* p. 142, ALLOITEAU.

†*Flabelllosmilia santasusanai* p. 100 fig., BATALLER.

Flabellum macandrewi p. 8, BROCH (1).

†*Fromentellia* p. 251, ALLOITEAU.

†*Fromentelligyra* **nom. nov.** (for *Stenogyra*) p. 273, type sp. *Stenogyra plicata* p. 273 fig. Jurassic France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Fungia p. 57, key to Philippine spp. p. 58, *echinata* p. 59 fig., *paumotensis* p. 60

fig., *scutaria* p. 61 fig., *gravis* **sp. n.** p. 62 fig., *fungites* p. 62 fig., var. *lucapensis* **var. n.** p. 63 fig., var. *insularis* **var. n.** p. 64 fig., *danai* p. 64 fig., *fraliniae* **sp. n.** p. 65 fig., *horrida* p. 66 fig., *repanda* p. 66 fig., *samboangensis* p. 67, *concinna* p. 68 fig., *granulosa* p. 69 fig., *actiniformis* p. 70 fig., var. *suluensis* p. 71, var. *palawensis* p. 71 fig., *scabra* p. 72 fig., NEMENZO.—*F. sp. cf. concinna* p. 343, UTINOMI.

†*Fungiastrea* **gen. n.** (fam. Thamnasteriidae) p. 216, type sp. (by original designation) *Astraea laganum* (= *cistela*) neotype chosen pp. 216, 295 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Fungiidae p. 56, NEMENZO.

†*Funginella* p. 335, *neocomiensis* p. 335 fig., *alpina* d'Orbigny non Duncan the type sp. of *Funginellastraea* pp. 335, 344, 345, *martini* figs. 224–226, ALLOITEAU.

†*Funginellastraea* **gen. n.** (fam. Funginellidae) pp. 335, 345, type sp. (by original designation) *Funginella alpina* d'Orbigny (non Duncan) = *Funginellastraea orbignyi* **sp. n.** p. 335 Eocene France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Fungiocyathus fragilis p. 8, BROCH (1).

†*Gangamophyllum* p. 52, *boreale* p. 53 fig., *mosquense* **sp. n.** p. 60 fig. Carboniferous Russia, sp. p. 68 fig., [DOBROLYUBOVA].

†*Glossophyllum* p. 48, *dohmi* p. 48 fig., JAKOWLEW.

†*Glyphastraea* discussed p. 151, *forbesi* pp. 153, 156 fig., ALLOITEAU.

†*Goniaraea* p. 70, ALLOITEAU.

†*Goniocoenia* [as *Goniocoenia* (sic)] a unior synonym of *Astrocoenia* pp. 53, 68, ALLOITEAU.

†*Gonicora* p. 187, *socialis* p. 187, *G. ? tenuis* p. 192, *G. manipolata* p. 196, ALLOITEAU.

Goniopora p. 44, key to Philippine spp. p. 44, *stokesi* p. 45 fig., *tenuidens* p. 46, *columna* p. 47 fig., *undulata* **nom. n.** for N.W. Australia Bernard p. 47 fig. N.W. Australia, *bernardi*, *pedunculata* p. 48, *petiolata* **nom. n.** for Singapore 5 Bernard p. 49 fig. Singapore, *tenella* p. 50 fig., *minor* p. 51 fig., *burgosi* **sp. n.** p. 51 fig. Philippines, *duofasciata* p. 52, NEMENZO.

†*Gosaviaraea* p. 325, ALLOITEAU.

†*Gshelia rouillieri* var. *brevisseptata* **var. n.** p. 21 fig. Carboniferous Russia, [DOBROLYUBOVA & KABAKOVICH].

Guynia p. 359, ALLOITEAU.

†*Gyrodendron* pp. 241, 294, 310, *integrum* p. 294, *lobatum* pp. 294, 310, ALLOITEAU.

†*Gyrophyllia* p. 170, *bisinuosa* [as *bisinuosa* (sic) pl. 3, fig. 11] neotype chosen p. 170 fig., ALLOITEAU.

†*Gyroseris* p. 338, ALLOITEAU.

Gyrosmlia p. 279, ALLOITEAU.

†*Haimeicyclus* **gen. n.** p. 105, type sp. (by monotypy) *Montlivaltia haime* p. 105 Lias Luxemburg, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Haimesiastraea* p. 77, ALLOITEAU.

†*Haimesiphyllia* **gen. n.** p. 183, type sp. (by original designation) *Rhabdophyllia salsensis* p. 182 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Haldonia* p. 69, ALLOITEAU.

Halomitra p. 78, *philippinensis* p. 78 fig., NEMENZO.

†*Halysiastraea* p. 147, ALLOITEAU.

†*Haplaraea* p. 412, *rennensis* **sp. n.** figs. 278–280 U. Cretaceous France, ALLOITEAU.

†Haplaracidae p. 283, ALLOITEAU.

†*Haplohelid rudis* (= *haueri* Edwards & Haime) p. 189, *pailletteana* [as *paillettei* (sic)] p. 190 fig. a senior synonym of *Cladocora dumortieri* p. 191, ALLOITEAU.

†*Heliastrea* pp. 117, 118, *lifolensis*, *laevicostata* are spp. of *Columnocoenia* pp. 120, 136, *corallaris*, *exsculpta* p. 121, *irregularis* a sp. of *Plestiofavia* p. 122, *delcrosi* a sp. of *Columastrea* p. 123 fig., *vesparia* the type sp. of *Plesiastreaeopsis* p. 124, *sexangula* a sp. of *Plesiastreaeopsis* p. 124, *cribraria* the type sp. of *Phyllocoeniopsis* p. 124 fig., *constricta*, *sulcatolamellosa*, *terminaria* and probably *putealis* are spp. of *Phyllocoeniopsis* p. 125, *ellisi* the type sp. of *Tarbellastrea* p. 128, *forskaeli* figs. 75–77, ALLOITEAU.—*H. coquandi* p. 55 fig., *ferryi* p. 55 fig., *fromenteli* p. 56 fig., *montisai* p. 57 fig., *vidali* p. 58 fig., BATALLER.—*H. vidali* p. 89 (24), BATALLER (2).—*H. ellisiana* p. 187 fig., *reussiana* p. 187 fig., ZBYSZEWski.

†*Heliocaenia* discussed p. 152, LAFUSTE (3).

†*Heliostylina* **subgen. n.** (of *Stylina*) p. 150, type sp. (by original designation) *Adelocaenia corallina* p. 149 fig. Jurassic France, LAFUSTE Bull. Soc. géol. Fr. (6) 7 1–3 1957.

†*Helminthidium* pp. 476, 484, 490, *mirum bohemicum* **subsp. n.** pp. 479, 486, 493 fig. Silurian Bohemia, PRANTL.

†Cf. *Hemicosmophyllum* p. 131 fig., FIRTION.

†Hemiporitidae p. 233, ALLOITEAU.

†*Heritschia* discussed pp. 77, 78, YABE.

†*Heritschioides* **gen. n.** (fam. Lonsdaleidae) pp. 75, 78, type sp. (by original designation) *Waagenophyllum columbicum* pp. 75, 78 U. Carboniferous or Lower Permian British Columbia, H. ? *densicolumella* p. 75, YABE Proc. Jap. Acad. 26 2–5 1950.

Herpolitha p. 74, key to Philippine spp. p. 74, *stricta* p. 74 fig., *limax* p. 75 fig., *simplex* p. 76 fig., NEMENZO.

†*Heterocaninia* sp. p. 551 fig., MINATO & KATO (3).

†*Heterocoenia garumnica* p. 47 fig., BATALLER.

†*Heterogyra* p. 304, *lobata* p. 305 fig., ALLOITEAU.

†*Hexagonaria* (*Prismatophyllum*) *quadrigemina* p. 130 fig., FIRTION.

†*Hexaphyllia* sp. ind. p. 117 fig., YOSHIDA & KATO.

†*Hindesastraea* p. 160, ALLOITEAU.

†*Holocoenia* [as *Holocaenia* (sic)] p. 205, *micrantha* p. 205, ALLOITEAU.

†*Holophragma anticonvexa*, ? *H. scheii* are spp. of *Bighornia* p. 610, DUNCAN.—“H.” sp. p. 474 fig., ROSS, R. J.

Hoplania durotrix p. 14 fig., ROSSI.

†*Huangia* **gen. n.** (fam. Lonsdaleidae) pp. 76, 78, type sp. (by original designation) *Corwenia chutsingensis* Moscovian China, *chihsiaensis*, *chiuyaoshanensis*, **sp. n.** (sic), *parachihsiaensis*, *tipoensis*, *diphyphylloides* p. 74, *percisum*, *tabellatum*, perhaps *muricatum* p. 76, *hasimotoi* p. 77, YABE Proc. Jap. Acad. 26 2–5 1950.

†*Hydnophoraraea substyriaca* p. 65, BATALLER.

†*Hydnophyllia* p. 317, *eocaenica* p. 317 fig., *scalaria* p. 317 fig., ALLOITEAU.

†*Hymenophyllia* a synonym of *Elysastrea* p. 205, ALLOITEAU.

†*Isastraea* [as *Isastrea* (sic)] pp. 156, 162, 241, 310, *lamellosissima* the type sp. of *Anisastraea* p. 162, *helianthoides* p. 241 fig., *profunda*, *bonanomii*, *guettardi* p. 242, but *austriaca*, *serialis*, *propinqua*, *eturbensis*, *neocomiensis*, *gracilis*, *icaunensis*, *tombecki*, *grandiflora*, *ligeriensis* and *supracretacea* are not *Isastraea* p. 242, *norica* is ? *Brachyseris* p. 242, *bernardina* fig. 112, *mosensis* figs. 113–115, pl. 2, fig. 4, ALLOITEAU.—*I.* [as *Isastrea* (sic)] *whitneyi* p. 576 fig., VON DER OSTEN.

Isastrocoenia [as *Isastrocaenia* (sic)] p. 77, ALLOITEAU.

Isaurus asymmetricus p. 34 fig., PAX & MÜLLER (1).

Isophyllia p. 261, *spinosa* p. 261 fig., ALLOITEAU.

†*Jugodendron* a junior synonym of *Latomaecandra* p. 244, ALLOITEAU.

†*Kionelasma* ? *spongaxis* pl. 10, fig. 4, EHLERS & KESLING.

†*Kobyia* p. 227, ALLOITEAU.

†*Kodonophyllum* see *Codonophyllum*.

†*Koilomorpha* p. 296, *arautiaca* neotype chosen p. 296 fig., *latigyra* (= *Maeandrastraea circularis*) p. 297, ALLOITEAU.

†*Koninkophyllum* a subgenus of *Lophophyllum* p. 62, *stellatum* p. 62 fig., [GHORSKI].

†*Ktenodema bisulcatum* probably a *Myriophyllia* p. 170, ALLOITEAU.

†*Kühnophyllia* p. 227, ALLOITEAU.

†*Kyphophyllum* p. 144, *lindströmi* p. 145 fig., *elkinense* **sp. n.** p. 147 fig. U. Silurian Urals, [SUITOVA].

†*Lamellofungia* [as *Lamellifungia* (sic)] figs. 166–168] **gen. n.** (fam. Lamellofungiidae) p. 229, type sp. (by original designation) *rennensis* **sp. n.** p. 230 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†Lamellofungiidae p. 229, ALLOITEAU.

†*Lasmophyllia* pp. 82, 104, ALLOITEAU.

†*Laterophyllia* p. 258, ALLOITEAU.

†*Latimaeandra* [as *Latomeandra* (sic)] pp. 144, 237, 249, 312, *inaequalis* p. 144, *plicatum* neotype chosen p. 238 fig., a senior synonym of *Chorisastraea* p. 240 and *Jugodendron* p. 244, *bonanomii* p. 242, *rustica* the type sp. of *Comophyllopsis* p. 294, *latigyra* a sp. of *Koiloromorpha* p. 297, *steini* a sp. of *Michelinaraea* p. 328, *ramosa* fig. 179, ALLOITEAU.

Latimaeandriidae [as *Latomeandriidae* (sic)] p. 308, ALLOITEAU.

†*Latiphyllia cruciformis* p. 53 fig., BATALLER.

†*Latusastraea* p. 367, ALLOITEAU.

Leptastraea pp. 128, 132, figs. 91–93, *rotissana* p. 132 fig., ALLOITEAU.

†*Leptophyllia* auctt. = *Acrosmilina* p. 85, ALLOITEAU.—*L. almerai* p. 68 fig., *astrei* p. 69 fig., *vidali* p. 70 fig., BATALLER.—*L. vidali* p. 91 (27) fig., BATALLER (2).

Leptopsammia pruvoti p. 15 fig., ROSSI.—*L. pruvoti* p. 240 fig., ROSSI (1).

Leptoria pp. 167, 256, *phrygia* 167, 256 fig., ALLOITEAU.

†*Leptoria* valid pp. 167, 256, but *radiata* and *konincki* p. 168, *delicatula* p. 171, *patellaris*, *dumortieri* and *pyrenaica* p. 172 are all *Meandroria*, ALLOITEAU.

†*Liangshanophyllum sinense* sp. n. pp. 329, 337 fig. Permian China, *wengchengense* pp. 329, 338 fig., WU.

†*Lindströmia solearis* is a sp. of *Bighornia* p. 610, DUNCAN.

†*Lingulosmilina* p. 365, ALLOITEAU.

†*Lithodendron* pp. 173, 242, *articulata* is a sp. of *Calamoseris* p. 179, ALLOITEAU.

†*Lithostrotion striatum* added to the "Official List of Specific Names in Zoology" p. 268, DIRECTION 77.—*L. columnare* p. 93, *voiseyi* sp. n. p. 94 fig. Lower Carboniferous New South Wales, CAMPBELL.—*L. harmodites* probably = *Synaptophyllum multicaule* p. 616 fig., *junceum* p. 624 fig., *L. (Siphonodendron) genevievensis* sp. n. p. 616 fig. L. Carboniferous U.S.A. = *Schoenophyllum aggregatum* (non *L. aggregatum* McCoy) p. 621 fig., *L. a* senior synonym of *Schoenophyllum* p. 621, EASTON.—*L. junceum* p. 63 fig., *rossicum* p. 64 fig., *irregulare* p. 64 fig., *baschkiricum* p. 64 fig., *kirgisense* p. 64 fig., *caespitosum* p. 65 fig., *maccoyanum* p. 65 fig., *portlocki* p. 65 fig., [GHORSKII].

†*Lithostrotionella taishakuensis* sp. n. p. 78 fig. M. Carboniferous Japan, YOKOYAMA.

†*Lobophyllia* p. 278, *caliculata* (= *contorta*) the type sp. of *Plocophyllia* p. 279, ALLOITEAU.

†*Lochmaeosmilina* a synonym of *Eunomia* p. 174, *radiata* neotype chosen p. 173 fig., ALLOITEAU.

†*Lonsdaleia* p. 69, *tschussowiana* p. 69 fig., *floriformis* p. 69 fig., *longiseptata* p. 69 fig., [GHORSKII].—*L. aff. duplicata duplicata* p. 551 fig., MINATO & KATO (3).

Lophelia prolifera p. 11, ROSSI.—*L. [as Lophohelia (sic)] prolifera* p. 8, BROCH (1).

†*Lophelia tubaeformis* sp. n. p. 994 fig. ? Miocene Georgia, U.S.A., SQUIRES.

†*Lophophyllidium liangshanense* sp. n. pp. 330, 339 fig., *kayseri* pp. 330, 339 fig., *multiseptatum* var. *minor* var. n. pp. 330, 340 fig., Permian China, WU.

†*Lophophyllum (Arachnolasma) sinense* var. *pauciseptata* var. n. p. 62 fig. Lower Carboniferous U.S.S.R., *L. (Koninckophyllum) stellatum* p. 62 fig., [GHORSKII].

†*Lophosmilina* p. 83, *cenomana* neotype chosen p. 83, *depressa* p. 83, ALLOITEAU.

†*Loyolophyllum creswelli* is possibly a sp. of *Battersbyia* p. 98, GLINSKI.

†*Lytophyllum* p. 48, *platycalix* p. 48 fig., JAKOWLEW.

†*Macgeea* p. 47, *berdensis* p. 47 fig., JAKOWLEW.—*M. p.* 102, *bathycalyx kasimiri* p. 109 fig., *bathycalyx josephi* p. 111 fig., *bathycalyx amabilis* p. 112 fig., *berdensis* p. 115 fig., *czarnockii* p. 115 fig., *multizonata* p. 115 fig., RÓZKOWSKA.

†*Macgecinae* subfam. n. (of *Thamnophyllidae*) p. 83, RÓZKOWSKA Acta palaeont. Polon. 2 73 1957.

†*Macgeopsis* gen. n. (fam. *Stylophyllidae*) p. 95, type sp. (by original designation) *Epismilia grandidieri* p. 95 fig. Jurassic Madagascar, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Mackenzia costalis* p. 281, MADSEN.

Madracis pharensis p. 13 fig., ROSSI.

Madrepora oculata p. 12, ROSSI.

†*Maeandra* ? [as *Meandra* ? (sic)] sp. p. 648 fig., ARAI.

†*Maeandraraea* [as *Meandrarea* (sic)] p. 326, ALLOITEAU.—*M. felixi* p. 75 fig., *sampelayoi* p. 76 fig., *submorchella* p. 77 fig., BATALLER.

†*Maeandrastraea* [as *Meandrastraea* (sic)] p. 252, *pseudomaeandrina* [as *pseudomeandrina* (sic)] p. 252, *arasiaca* the type sp. of *Koilonomorpha* pp. 252, 296, ALLOITEAU.—*M. [as Meandrastraea (sic)] mirallesi* p. 54 fig., BATALLER.

†*Maeandrella* [as *Meandrella* (sic)] pp. 257, 297, *micelini* p. 297, ALLOITEAU.

Macandriidae [as *Meandriidae* (sic)] p. 272, ALLOITEAU.

Macandriinae [as *Meandriinae* (sic)] p. 272, ALLOITEAU.

Maeandrina [as *Meandrina* (sic)] *meandrites* figs. 119–120, ALLOITEAU.

†*Maeandrina* [as *Meandrina* (sic)] pp. 166, 243, a senior synonym of *Pectinia* and *Ctenophyllia* p. 244, *radiata* the type sp. of *Meandroria* p. 168, *aticiana* the type sp. of *Michelinaraea* p. 327, ALLOITEAU.—*M. vidali* Mallada MS. **sp. n.** [? nom. nud.], p. 89 (24) Lower Cretaceous Spain, BATALLER (2).

†*Maeandrophyllia* [as *Meandrophyllia* (sic)] p. 283, *lotharinga* neotype chosen p. 284 fig., ALLOITEAU.—*M. [as Meandrophyllia (sic)] cariacensis* p. 577 fig., VON DER OSTEN.

Maeandroseris p. 324, ALLOITEAU.

†*Maeandrosmilia* **gen. n.** (fam. *Macandriidae*) p. 87, type sp. (by original designation) *Trochosmia flabelum* p. 87 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Manicina p. 258, *areolata* p. 258, ALLOITEAU.

†*Margarastraea* p. 251, ALLOITEAU.

†*Mastophyllia* p. 328, *conophora* a sp. of *Polyphylloseris*, *microstoma* p. 328, ALLOITEAU.

†*Meandroria* **gen. n.** (fam. *Dendrogryiidae*) p. 168, type sp. (by original designation) *Maeandrina radiata* p. 168 fig. U. Cretaceous France, *konincki* p. 168, *senessei* p. 169 fig., *delicatula* p. 171, *patellaris*, *dumortieri* p. 172, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Megaphyllum p. 46, *paschiense* p. 47 fig., JAKOWLEW.

†*Meniscophyllum* aff. *kansuense* p. 7 fig., [DOBROLYUBOVA & KABAKOVICH].

†*Mesomorpha* p. 209, *mammillata* p. 209 fig., *rennensis* **sp. n.** fig. 152 U. Cretaceous France, *corbariensis* **sp. n.** pl. 4, fig. 2 no horizon or locality given, **sp. pl.** 18, fig. 14, ALLOITEAU.

†*Metastraea* a subgen. of *Favites* p. 146, *egyptiaca* p. 146, ALLOITEAU.

†*Metaulastraea* p. 367, ALLOITEAU.

†*Metethmos* p. 338, ALLOITEAU.

†*Michelinaraea* **subgen. n.** (of *Maeandraraea*) p. 327, type sp. (by original designation) *Maeandrina ataciana* p. 327 fig. U. Cretaceous France, *steini* p. 328, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Micrabacia coronula* pl. 17, fig. 3, ALLOITEAU.

†*Microphyllia* p. 245, *brevivallis*, *seriata* p. 245, ALLOITEAU.

†*Microsolena* sp. fig. 277, *plana* pl. 20, figs. 2, 3, ALLOITEAU.

†*Microsolenidae* p. 325, ALLOITEAU.

†*Micula* **gen. n.** (fam. *Kyphophyllidae*) p. 133, type sp. (by original designation) *antiqua* **sp. n.** p. 133 fig. U. Silurian Urals, [SUITOVA] Trav. Inst. paléont. Acad. Sci. U.R.S.S. 40 1952.

†*Mitrodendron* a senior synonym of *Aulastraea* p. 366, ALLOITEAU.

†*Mitrodendronidae* p. 371, ALLOITEAU.

Montigyra p. 258, ALLOITEAU.

†*Montlivaltia* [as *Montlivaultia* (sic)] *egozcuei* **sp. n.** p. 205 fig. Eocene Spain, ALASTRUE, ALMELA & RIOS.—*M.* pp. 84, 103, 105, *discus* is a junior synonym of *pateriforme* p. 84, *subcaryophyllata* (= *Epismilia* ? *caryophyllata*) p. 93 fig., *obtusa* p. 104, *haimeii* the type sp. of *Haimeicyclus* p. 105, *spiculata* p. 106 and *punctulum* p. 107 are *Procycolites*, *dumortieri* is (or is near to) *Diplaraea* p. 107, *arenula* the type sp. of *Epiphyllum* p. 107, *pocillum* the type sp. of *Palaeophyllia* p. 108, *bellis* the type sp. of *Montlivaltiopsis* p. 108, *minor* the type sp. of *Palaeomussa* p. 109, *charcennensis* the type sp. of *Paramontlivaltia* p. 110,

melania the type sp. of *Trochophyllia* p. 110, *goldfussi* probably a *Trochophyllia* p. 111, *excelsa* the type sp. of *Aulophyllia* p. 111, *laxa* the type sp. of *Plesiophyllum* p. 122, *fritillus partim* is *Plesiophyllum* p. 112 and *partim* the type sp. of *Axosmiliopsis* p. 113, *granulum* the type sp. of *Proleptophyllia* p. 113, *inflata* the type sp. of *Plesiomontlivaltia* p. 114, *caryophyllata* figs. 59, 61, *perornata* fig. 60, ALLOITEAU.—*M.* [as *Montlivaultia* (sic)] *arnali* p. 49 fig., *crepelli* p. 50 fig., *modregoi* p. 50 fig., BATALLER.—*M.* sp. ind. p. 95 fig., *norica* p. 96 fig., subsp. *slovakensis* **subsp. n.** p. 96 fig. Triassic Czechoslovakia, *marmorea* p. 96 fig., KOLOSVÁRY (5).

†*Montlivaltiidae* p. 251, ALLOITEAU.

†*Montlivaltiopsis* **gen. n.** (fam. Merulinidae) p. 108, type sp. (by original designation) *Montlivaltia bellis* p. 108 fig. Jurassic France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Morphastraea* p. 297, *ludoviciana* neotype chosen p. 297 fig., *M.* ? *foliacea* p. 298, ALLOITEAU.

†*Multicolumnastraea* p. 64, ALLOITEAU.

Mussa p. 260, *angulosa* p. 260 fig., ALLOITEAU.

Mussidae p. 260, ALLOITEAU.

†*Mycedium* p. 307, ALLOITEAU.

Mycetophyllia p. 262, *lamareckiana* p. 262, ALLOITEAU.

†*Mycetophyllopsis* pp. 252, 262, ALLOITEAU.

†*Mycetoseris* pp. 298, 305, *hypocrateriforme* p. 305, *patula* a sp. of *Periseris* pp. 299, 306, ALLOITEAU.

†*Myriophyllia* p. 169, *M.* ? *bisulcatum* p. 171, ALLOITEAU.—*M.* *borrachensis* p. 576 fig., *cuyleri* p. 576 fig., VON DER OSTEN.

†*Narcissastraea* p. 148, *typica* p. 148, ALLOITEAU.

†*Natalophyllum* **gen. n.** Devonian Russia, [RADUGUIN] Izv. Tomsk. ind.-in-ta 56 6 1938 [not seen].

†*Neanthozoites manip.* **n.** p. 21, type sp. (by original designation) *elegans cent. n.* p. 21 fig. Eocene France and Miocene Australia, *fibratus cent. n.* p. 21 fig. Miocene Australia, *arachnoidiscus cent. n.* p. 22 fig. Miocene Australia, DEFLANDRE-RIGAUD Ann. Paléont. 42

(for 1956) 1957.—*Neanthozoites gen. n.* p. 362, type sp. (by original designation) *elegans* p. 362 fig. Eocene France and Miocene Australia, *fibratus* p. 362 fig., *arachnoidiscus* p. 364 fig., DEFLANDRE-RIGAUD (1).

†*Nefophyllia* p. 83, *augusta* (= *Trochomilia patula*) p. 84, *inaequalis* p. 181 fig., *ornata, martini* (= *ornata* var.) p. 181, ALLOITEAU.

Nematosella vectensis p. 411, HAND (2).—*N. vectensis* p. 787 fig., ROBSON (1).

†*Neocoeniopsis* [as *Neocaeoniopsis* (sic)] **gen. n.** (fam. Heliastreaeidae) p. 128, type sp. (by original designation) *Phyllocoenia excelsa* p. 127 fig. U. Cretaceous France, *lepida* p. 128, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Neokoninckophyllum gracile nipponense* p. 551 fig., MINATO & KATO (3).

†*Neotryplasma gen. n.* (fam. Tryplasmidae) p. 157, type sp. (by original designation) *longiseptata sp. n.* p. 157 fig., *codonophylloides sp. n.* p. 158 fig., Ordovician or Silurian Baltic area, KALJO Loodus. Seltsi. Aastar. Tallinn 50 1957.

†*Omphalophyllia* a junior synonym of *Conophyllia* p. 104, ALLOITEAU.—*O. boletiformis* p. 11 fig., MONTANAROGALLITELLI.

†*Opisthophyllum* p. 365, ALLOITEAU.

†*Oppelismilia* p. 112, *rudis* fig. 263, ALLOITEAU.

†*Orbignygyra gen. n.* (fam. Dendrogyriidae) pp. 257, 264, 268, type sp. (by original designation) *Diploria neptuni* (? = *Cyathoseris zitteli*) pp. 257, 270 fig. U. Cretaceous France, *latisinuata* p. 270, ALLOITEAU Contrib. Madr. Syst. foss. 1957.

†*Oroseris* possibly a synonym of *Microphyllia* p. 310, *explanata* the type sp. of *Vallimeandra* p. 289, *neocomiensis* a sp. of *Vallimeandra* p. 311, *spalea* p. 311 fig., ALLOITEAU.

Oulastraea p. 130, *crispata* p. 130 fig., ALLOITEAU.—*O.* [as *Oulastrea* (sic)] p. 9, key to the Philippine spp. p. 9, *crispata* p. 9 fig., *alta sp. n.* p. 10 fig. Philippines, NEMENZO.

Oulophyllia pp. 246, 259, a subgenus of *Tridacophyllia* p. 259, *crispa* pp. 246, 259 fig., ALLOITEAU.

†*Oulophyllia* see *Ulophyllia*.

†*Ovalastraea* [as *Ovalastrea* (sic)] p. 149, *caryophyllata* p. 149, *conferta* figs. 102–105, *cotteaui* pl. 3, fig. 18, ALLOITEAU.

†*Oyonnaxastraea* **gen. n.** (fam. Amphistreaeidae) p. 354, type sp. (by original designation) *schlumbergeri* **sp. n.** p. 354 fig. U. Jurassic France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Pachyaenia* **gen. n.** (fam. Heterocoeniidae) figs. 275, 276, pl. 4, fig. 9, *gigantea* **sp. n.** p. 409, figs. 275, 276 U. Cretaceous France, *corbariensis* **sp. n.** pl. 4, fig. 9 no horizon or locality given, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Pachygyra* pp. 266, 359, *orbignyi* a sp. of *Astrogyra* p. 254, *labyrinthica* p. 266, *intermedia* **sp. n.** p. 266 U. Cretaceous France, but *tuberosa* (= *deluci*) and *knorri* are spp. of *Placogyropsis* p. 269, ALLOITEAU.—*P. vallerbei* p. 46 fig., BATALLER.

†*Pachyphyllia* **gen. n.** (fam. Heliastreaeidae) p. 126, type sp. (by original designation) *Phyllocoenia toucasi* p. 126 fig. U. Cretaceous France, *dumortieri* p. 127, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Pachyphyllum* discussed p. 122, RÓZKOWSKA.—*P.* see *Phillipsastraea*.

Pachyseris p. 307, *rugosa* p. 307 fig., ALLOITEAU.—*P.* p. 17, key to Philippine spp. p. 18, *clementei* p. 18 fig., *gemmae* p. 19 fig., **spp. n.** Philippines, *speciosa* p. 19 fig., *rugosa* p. 20 fig., NEMENZO.

†*Palaearaea lopatini* p. 101 fig., [ISKYUL].

†*Palaeastraea* p. 120, ALLOITEAU.

†*Palaeocyclus* a junior synonym of *Cyclolites* p. 335, ALLOITEAU.

†*Palaeomussa* **gen. n.** (fam. Mussidae) p. 109, type sp. (by original designation) *Montlivaltia minor* p. 109 fig. Rauracian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Palaeophyllia* **gen. n.** (fam. Montlivaltidae) p. 108, type sp. (by original designation) *Montlivaltia pocillum* p. 108 fig. Jurassic France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Palaeophyllum williamsi* pl. 5, figs. 1, 2, EHLERS & KESLING.

†*Palaeosmilia* Edwards & Haime p. 61, *murchisoni* p. 61 fig., [GHORSKII].—*P.* p. 91, *murchisoni* p. 91 fig., *murchisoni murchisoni* p. 104 fig., *murchisoni stutchburyi* p. 105 fig., *nodosa* **sp. n.** p. 106 fig. Carboniferous Russia, *tulensis* **sp. n.** p. 110 fig. Carboniferous Russia, [KABAKOVICH].

†*Palaeosmilia* **gen. n.** (fam. Stylophyllidae) pl. 8, fig. 9, type sp. (by original designation) *rogeri* **sp. n.** (= *Montlivaltia pocillum* partim) fig. 66 bis, pl. 8, fig. 9 no horizon or locality given, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Palythoa singaporensis p. 21 fig., *stephensoni* p. 26 fig., *titanophila* **sp. n.** p. 29 fig., *anthoplax* **sp. n.** p. 31 fig., Vietnam, PAX & MÜLLER (1).

†*Paracaninia* cf. *sinensis* var. *kaoi* pp. 331, 340 fig., WU.

Paracyathus pulchellus p. 8, Rossi.

†*Paracycloseris* p. 338, *circularis* pl. 13, figs. 9, 10, ALLOITEAU.

Paradichocaenia **gen. n.** (fam. Maeandriidae) p. 277, type sp. (by original designation) *Dichocaenia stokesi* p. 277 fig. Cuba, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Parahalomitra p. 79, key to Philippine spp. p. 79, *irregularis* p. 79 fig., *robusta* p. 80 fig., NEMENZO.

†*Paramontlivaltia* **gen. n.** (fam. Smilotrochiidae) p. 110, type sp. (by original designation) *Montlivaltia charcennensis* p. 110 fig. Rauracian France, *inflata* p. 110 fig., ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Paraphylliidae **fam. n.** p. 81, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Parasmilia centralis* figs. 40–42, 268, ALLOITEAU.

Parasmiliopsis **gen. n.** (fam. Smilotrochiidae) p. 87, type sp. (by original designation) *Trochosmilia cenomana* p. 87 fig. Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Parastraea [as *Parastrea* (sic)] p. 141, ALLOITEAU.

†*Parasynastraea* **gen. n.** (fam. Acrosmiliidae) p. 219, type sp. (by original designation) *cenomanensis* **sp. n.** p. 220 fig. Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Parazoanthus axinellae p. 315 fig., subsp. *mülleri* **subsp. n.** p. 320 fig. Tyrrhenian Sea, PAX.—*P. axinellae* p. 27, PAX & MÜLLER.

Pavona p. 12, key to Philippine spp. p. 12, *frondifera* p. 13 fig., *decussata* p. 14, *crassa* p. 14 fig., *praetorta* p. 14 fig., *lata* p. 15, *varians* p. 16 fig., *P. (Polyastra)* p. 12, *venosa* p. 16 fig., *obtusata* p. 17, UTINOMI.

Pectinia a junior synonym of *Maeandrina* pp. 244, 359, ALLOITEAU.

†*Peneckiella* p. 52, *nalivkini* p. 53 fig., JAKOWLEW.

†*Pentacaenia* discussed p. 154, LAFUSTE (3).

†*Peplosmilia* p. 101, ALLOITEAU.—*P. casañasi* p. 102 fig., *catalaunica* p. 103 fig., *coquandi* p. 104 fig., *fromenteli* p. 105 fig., *iberica* p. 106 fig., *thildae* p. 107 fig., BATALLER.

†*Periseris* p. 298, *elegantula* p. 299 fig., *irregularis*, *renevieri*, *calloviensis*, *terquemi*, *patula*, *rectilamella*, *alpina*, *babeana*, *crenulata*, *jurensis* p. 299, ALLOITEAU.—*P. irregularis* p. 576 fig., VON DER OSTEN.

†*Pexiphyllum* p. 119, *ultimum* p. 120 fig., RÓZKOWSKA.

†*Phillipsastraea (Pachyphyllum) iber-gense* p. 129 fig., FIRTION.—*P.* p. 51, *hennahi* p. 51 fig., JAKOWLEW.

†*Pholidophyllum magnum* p. 46 fig., JAKOWLEW.

†*Phragmosmilia gen. n.* (fam. Maeandriidae) p. 86, type sp. (by original designation) *Trochosmilia incrustans* p. 86 fig. U. Cretaceous France, *crassa* **sp. n.** p. 86 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Phyllocoenia* [as *Phyllocaenia* (sic)] pp. 117, 119, *cotteaui* p. 121, *dubia* the type sp. of *Plesiofavia* p. 122 fig., *varians* p. 122, *toucasi* the type sp. of *Pachyphyllia* p. 126, *dumortieri* a sp. of *Pachyphyllia* p. 127, *pediculata* a sp. of *Phyllocoeniopsis* p. 127, *excelsa* the type sp. of *Neo-coeniopos* p. 127, *lepida* a sp. of *Neo-coeniopos* p. 128, *irradians* figs. 78–80, ALLOITEAU.—*P.* cf. *incrassata* p. 97, KOLOSVÁRY (5).

†*Phyllocoeniopsis* [as *Phyllocaeniopsis* (sic)] **gen. n.** (fam. Heliastreaeidae) p. 125, type sp. (by original designation) *Heliastrea cribriaria* p. 124 fig. U. Cre-

taceous France, *constricta*, *sulcato-lamellosa*, *terminaria* p. 125, *P. ? putealis* p. 125, *pediculata* p. 127, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Phyllogyra* p. 253, ALLOITEAU.

†*Phyllohelix gen. n.* (fam. Oculinidae) p. 191, type sp. (by original designation) *Pleurocora explanata* p. 190 fig. U. Cretaceous Belgium, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Phyllosmilia* pp. 84, 101, *arcuata* p. 84, *basochesi* figs. 28, 29, 57, 58, pl. 5, fig. 12, ALLOITEAU.—*P. catalaunica* p. 98 fig., *marini* p. 99 fig., BATALLER.

†*Phymastraea* p. 142, ALLOITEAU.

Physogyra p. 279, ALLOITEAU.

†*Physophyllia* sp. or *Thamnasteria* sp. p. 648 fig., ARAI.

†*Pinacophyllum* p. 359, ALLOITEAU.

†*Pironastraea* p. 324, *discoides* p. 324, ALLOITEAU.

†*Placastraea* [as *Placastrea* (sic)] p. 160, ALLOITEAU.

†*Placocaeniopsis* p. 234, *arnaudi* **sp. n.** p. 235 fig. U. Cretaceous France, ALLOITEAU.

†*Placogyra* p. 274, ALLOITEAU.

†*Placogyropsis gen. n.* (fam. Dendrogyriidae) pp. 264, 268, type sp. (by original designation) *corbariensis* **sp. n.** p. 268 fig. U. Cretaceous France, *tuberosa* (= *deluci*), *knorri*, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Placophyllia* pp. 359, 361, *dianthus* p. 361, ALLOITEAU.

†*Placosmilia* p. 99, a senior synonym of *Firia* (possibly) and *Lasmogyra* p. 101, *cymbula* figs. 53–54, *cuneiformis* figs. 55–56, ALLOITEAU.—*P. de angelisi* p. 96 fig., *bofilli* p. 96 fig., *vidali* p. 97 fig., BATALLER.—*P. vidali* p. 86 (22) fig., BATALLER (2).

†*Placosmiliidae* p. 254, ALLOITEAU.

†*Plagiosolenacis gen. n.* p. 386, type sp. (by original designation) *laffittei* **sp. n.** p. 386 fig. Liassic Algeria, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Plastastraea* p. 160, ALLOITEAU.

†*Platastrocoenia* [as *Platastrocaenia* (sic)] pp. 54, 63, ALLOITEAU.

†*Platycoenia* [as *Platyaenia* (sic)] p. 63, ALLOITEAU.

Platygyra pp. 167, 255, ALLOITEAU.

Plerogyra p. 279, ALLOITEAU.

Plesiastrea p. 132, *versipora* p. 132, ALLOITEAU.

†*Plesiastreaopsis* **gen. n.** (fam. Heliastreaeidae) p. 124, type sp. (by original designation) *Heliastrea vesparia* p. 124 fig. U. Cretaceous France, *sexangula* p. 124, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Plesiocunulites* **gen. n.** (fam. Cunulitidae) p. 346, type sp. (by original designation) *subcircularis* **sp. n.** pp. 345, 349, 350 fig. U. Cretaceous France, *goldfussi* **sp. n.** = *Cyclolites polymorpha* partim p. 349 U. Cretaceous no locality given, *macrostoma* fig. 227, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Plesiofavia* **gen. n.** (fam. Heliastreaeidae) p. 122, type sp. (by original designation) *Phyllocoenia dubia* p. 122 fig. Lower Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Plesiofavites* **subgen. n.** (of *Favites*) p. 146, type sp. (by original designation) *edwardsi* **sp. n.** (= ? *Prionastrea hemprichi* partim) p. 146 fig., ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Plesiomontivaltia* **subgen. n.** (of *Proleptophyllia*) p. 114, type sp. (by original designation) *Montivaltia inflata* p. 144 Rauracian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Plesiophyllum* **gen. n.** (fam. Epismiliidae) p. 122, type sp. (by original designation) *Montivaltia laxa* p. 112 fig. Lias France, *ferryi* **sp. n.** (for *M. fritillus* partim) p. 112 fig. Lias France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Plesioseris see *Psammocora*.

†*Plesiosmilia* pp. 100, 364, ALLOITEAU.

†*Plesiothamnasteria* **gen. n.** (fam. Andemantastreaeidae) p. 223, type sp. (by original designation) *vireti* **sp. n.** p. 224 fig. Lr. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Pleurocoenia* [as *Pleurocaenia* (sic)] p. 367, ALLOITEAU.

†*Pleurocora* p. 186, *gemmans* p. 186, *ramulosa* p. 188, *rudis* (= *haueri* Edwards & Haime) a sp. of *Haplohelicia* p. 189,

haueri Reuss (= *reussi*) is ? *Barycora corbariensis* p. 189, *pailletteana* [as *paillettei* (sic) p. 191] a sp. of *Haplohelicia* p. 190, *explanata* a sp. of *Phyllohelicia* p. 190, ALLOITEAU.

†*Pleurophyllia* pp. 359, 362, 365, *trichotoma* p. 365 fig., ALLOITEAU.

†*Pleurosmlia* pp. 100, 369, a senior synonym of *Trismilia* p. 369, ALLOITEAU. —*P. kobyi* p. 87 fig., *vaughani* p. 88 fig., *volzi* p. 88 fig., BATALLER.

†*Plicodendron* is partly *Latomaeandra* and partly *Comophyllia* p. 246, ALLOITEAU.

†*Plocophyllia* p. 278, *caliculata* (= *contorta*) p. 279, ALLOITEAU.

Podabacia p. 73, *crustacea* p. 73 fig., NEMENZO.

†*Podabacia* (*Mycetoseris*) *patula* a sp. of *Periseris* p. 299, ALLOITEAU.

Polyastra see *Pavona*.

†*Polyastropsis* **gen. n.** (fam. Thamnasteriidae) p. 218, type sp. (by original designation) *arnaudi* **sp. n.** p. 219 fig. Cenomanian France, *ambigua* partim p. 218, *miceliniana* [as *micelini* (sic) p. 219] partim p. 218, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Polyphyllastraea* [as *Polyphyllastrea* (sic)] pp. 204, 328, *plana* p. 204 fig., ALLOITEAU.

Polyphyllia p. 77, *talpina* p. 77 fig., NEMENZO.

†*Polyphyllia* p. 104, ALLOITEAU.

†*Polyphylloseris* a subgen. of *Polyphyllastraea* pp. 204, 328, *convexa*, *conophora* p. 328, ALLOITEAU.

†*Polyseris* **gen. n.** (fam. Synastreaeidae) p. 321, type sp. (by original designation) *Latomaeandra massiliensis* p. 321 U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Polystephanastraea* **gen. n.** (fam. Heliastreaeidae) p. 75, type sp. (by original designation) *plani-alpici* **sp. n.** p. 75 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Porites alveolata p. 405 fig., ALLOITEAU.—*P.* p. 27, key to Philippine spp. p. 28, *attenuata* **sp. n.** Philippines p. 30 fig., *compressa* p. 31, *nigrescens* p. 31 fig., *palinata* p. 32 fig., *planocella* **sp. n.** p. 33 fig. Philippines, *galeata* **nom. n.** for

singaporensis quinta Bernard p. 34 Singapore, *deformis* **nom. n.** for *salomonis quarta* Bernard p. 35 Solomon Isles, *aranetai* **nom. n.** for *hawaiiensis sexta* Bernard p. 36 Hawaii, *erosa* p. 37 fig., *cumulatus* **sp. n.** p. 37 fig. Philippines, *stephensoni* p. 38, *quelchi* p. 39 fig., *brighami* p. 39, *lutea* p. 40, *tenuis, australiensis* p. 41, *P. (Synaraea) convexa* p. 42 fig., *irregularis* p. 43 fig., NEMENZO.—*P. lutea* p. 343, UTINOMI.

Poritidae p. 27, NEMENZO.

†*Porpites* considered valid p. 334, *Anabacia* and *Chomatoseris* considered junior synonyms p. 335, ALLOITEAU.—*P. michiganensis* pl. 10, figs. 9–11, EHLERS & KESLING.

†*Primitophyllum* p. 153, KALJO.

†*Prionastraea* [as *Prionastrea* (sic)] a junior synonym of *Favites* p. 145, ? *P. hemprichi* partim the type sp. of *Plesiofavites* p. 146, *irregularis* p. 149, ALLOITEAU.

†*Prismatophyllum williamsi* **sp. n.** p. 30 fig. Devonian Ontario, FRITZ, LEMON & NORRIS.—*P.* see *Hexagonaria*.

†*Procladocora* **gen. n.** p. 182, type sp. (by original designation) *Calamophyllia gracilis* d'Orbigny non Edwards & Haime pp. 181, 182 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Procycolites* p. 337, *punctulum* pl. 5, fig. 11, *spiculata* pl. 5, fig. 19, ALLOITEAU.

†*Progyrosmlia* p. 280, ALLOITEAU.

†*Proleptophyllia* **gen. n.** (trans. between Procycolitidae and Leptophylliidae) p. 113, type sp. (by original designation) *Montlivaltia granulum* p. 113 fig. Lias France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

Prostephanocoenia [as *Prostephanocaenia* (sic)] pp. 54, 68, ALLOITEAU.

†*Protethmos* p. 338, ALLOITEAU.

†*Protomacgea* p. 116, *dobruchnensis* p. 108 fig., RÓZKOWSKA.

†*Protoseris* pp. 304, 318, ? a senior synonym of *Illinodendron* p. 318, ALLOITEAU.

†*Protozaphrentis* **gen. n.** (fam. Zaphrentoididae) pp. 308, 317, type sp. (by original designation) *minor* **sp. n.** pp. 308, 318 fig. Ordovician China, YU Acta Palaeont. Sinica 5 2 1957.

†*Pruvostastraea* **gen. n.** (fam. Amphistraeidae) p. 282, type sp. (by original designation) *labyrinthiformis* **sp. n.** p. 281 fig. U. Jurassic France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Psammoecenia* [as *Psammoecenia* (sic)] p. 69, ALLOITEAU.

Psammodora p. 22, key to Philippine spp. p. 22, *contigua* p. 23 fig., var. *pulchra* **var. n.** p. 23 fig. Philippines, var. *tutuilensis* p. 24, *profundacella* p. 24 fig., *P. (Stephanaria) exesa* p. 25 fig., *P. (Plesioseris) samoensis* p. 26 fig., NEMENZO.—*P. contigua* p. 343, UTINOMI.

†*Psammogyra* p. 274, ALLOITEAU.

†*Pseudocycloseris* **gen. n.** (fam. Stylophylliidae) p. 343, type sp. (by original designation) *uxacalcensis* **sp. n.** = *Cyclolites numismalis* auctt. partim p. 343 fig. Upper Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Pseudopavona taisyakuana* p. 80 fig., YOKOYAMA.

†*Pseudoseris* p. 299, *senessei* p. 300 fig., ALLOITEAU.

†*Pseudothecosmlia* p. 366, ALLOITEAU.

†*Pseudotimania* **gen. n.** p. 8, type sp. (by original designation) *Timania mosquensis* p. 8, *kasimovi* **sp. n.** p. 8 fig. Carboniferous Russia, [DOBROLYUBOVA & KABAKOVICH].

†*Psilogyra* p. 277, ALLOITEAU.

†*Ptychophyllum stokesi* pl. 10, figs. 5, 6, EHLERS & KESLING.

†*Pyramisasteria* **gen. n.** pp. 82, 84, type sp. (by original designation) *neocomiensis* **sp. n.** pp. 82, 84 fig. Lower Cretaceous Hungary, KOLOS-VÁRY Földt. Közl. 87 1 1957.

†*Rabdastraea* [as *Rabdastrea* (sic)] p. 141, ALLOITEAU.

†*Rennensismlia* **gen. n.** (fam. Maeandriidae) p. 86, type sp. (by original designation) *Trochosmlia didyma* p. 86 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Rhabdocora* p. 187, *cretacea* p. 187, *exiguus* the type sp. of *Cenomanina* p. 193, ALLOITEAU.

†*Rhabdocyclus aequispinatus* p. 154 fig., KALJO.

†*Rhabdophyllia* pp. 179, 247, genotype *phillipsi* discussed p. 179, *reussi* = *Cladocora tenuis* p. 180, *tenuicostata* a sp. of *Barysmilia* p. 181, *faxoensis* p. 181, *inaequalis*, *ornata* and *martini* (= *ornata* var.) are spp. of *Nefophyllia* p. 181, *neocomiensis* is a *Dermosmilia* p. 181, *gracilis* d'Orbigny non Edwards & Haime the type sp. of *Procladocora* pp. 181, 182, *salsensis* the type sp. of *Haimesisphyllia* p. 183, ALLOITEAU.—*R. medalli* p. 60 fig., *vidali* p. 61, BATALLER.—*R. vidali* p. 87 (23) fig., BATALLER (2).—*R. annae* **sp. n.** p. 310 fig. Senonian Hungary, KOLOSÁRY (2).

†*Rhabdopsammia* **gen. n.** (fam. Eupsammidae) pl. 4, fig. 5, type sp. (by original designation) *lanquinei* **sp. n.** pl. 4, fig. 5 no horizon or locality given, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Rhipidogyra* pp. 273, 359, *crassa* a young *Stenogyra plicata* p. 273, ALLOITEAU.

†*Rhipidogyrinae* p. 272, ALLOITEAU.

†*Rhizangia vidali* Mallada MS. **sp. n.** p. 92 (28) Upper Cretaceous Spain, BATALLER (2).

†*Rhodophyllum* ? *minatoi* p. 551 fig., MINATO & KATO (3).

†*Rotiphyllum radícula* p. 623 fig., EASTON (1).

Sagartia troglodytes p. 80, LEFEVERE, LELOUP & VAN MEEL.

†*Saltastraea* [as *Saltrastraea* (sic) in places] **gen. n.** (fam. Clausastracidae p. 216 but Andemantastracidae in table) p. 215, type sp. (by original designation) *Thamnastraea saltensis* p. 215 fig. Lr. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Sarcinula perforata* pl. 9, fig. 3, ALLOITEAU.

†*Scalariogyra* p. 277, ALLOITEAU.

†*Schizosmilia* pp. 359, 362, ALLOITEAU.

†*Schlüteria* p. 46, *emsti* p. 46 fig., JAKOWLEW.

†*Schoenophyllum* a junior synonym of *Lithotroton* p. 621, *aggregatum* Simpson (non *L. aggregatum* McCoy) p. 621 fig. is *L. (Siphonodendron) genevieveensis*, EASTON.

†*Sciophyllum japonicum* **sp. n.** p. 92 fig. (? Lower) Carboniferous Japan, MINATO & SAITO.

†*Sclerosmilia* p. 365, ALLOITEAU.

†*Selidolithus* **gen. n.** p. 387, type sp. (by original designation) *arnaudi* **sp. n.** p. 387 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Sematethmos* p. 228, ALLOITEAU.

†*Septastraea* discussed p. 151, *subramosa* p. 151, ALLOITEAU.

Siderastraea pp. 161, 400, *radians* fig. 260 bis, ALLOITEAU.

†*Siderastraea* pp. 161, 400, ALLOITEAU.

Siderastracidae p. 323, ALLOITEAU.—*S.* [as *Siderastreidae* (sic)] p. 54, NEMENZO.

†*Siderosungia irregularis* subsp. *pannonica* **subsp. n.** pp. 82, 84 fig. Lower Cretaceous Hungary, KOLOSÁRY (4).

†*Siphonodendron japonicum* p. 47 fig., *nakazawai* p. 48 fig., **spp. n.** Carboniferous Japan, MINATO & KATO.—*S. hidense* pl 551 fig., MINATO & KATO (3).—*S. pseudomartini* p. 116 fig., YOSHIDA & KATO.—*S.* see *Lithotroton*.

†*Smilitrochus* p. 82, possibly synonymous with *Coelosmilia* Edwards & Haime p. 83, *tuberosus* fig. 25, *delphinus* figs. 26–27, ALLOITEAU.

†*Solenastraea* p. 129, *hemprichi* p. 129 fig., ALLOITEAU.

Sphenophyllia p. 244, ALLOITEAU.

†*Spinophyllum* p. 53, *sedgwicki* p. 53 fig., JAKOWLEW.

†*Cf. Spongophylloides tomasae* p. 121 fig., FIRTION.

†*Stelidioseris* pp. 53, 67, ALLOITEAU.

†*Stenogyra* p. 273, *plicata* the type sp. of *Fromentelligyra* p. 273, ALLOITEAU.

†*Stenosmilia proletaria* the type sp. of *Dichocaeniopsis* pp. 264, 266, ALLOITEAU.

Stephanaria see *Psammocora*.

†*Stephanaxophyllia* **gen. n.** (fam. Columnastracidae) p. 73, type sp. (by original designation) *casterasi* **sp. n.** p. 73 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Stephanocoenia* [as *Stephanocaenia* (sic)] pp. 56, 161, *intersepta* fig. 7, ALLOITEAU.—*S. hoffmanni* **sp. n.** p. 310 fig. Liassic Hungary, KOLOSVÁRY (2).—*S. guadalupae* p. 575 fig., VON DER OSTEN.

†*Stephastrea* pp. 53, 60, 69, *S. Étallon* valid but *S. de Fromentel* a junior synonym of *Columastrea* p. 60, ALLOITEAU.

†*Stereocaenia* **gen. n.** (fam. Thamnasteridae) p. 207, type sp. (by original designation) *Centrastraea collinaria* p. 206 fig. Lr. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Stereophyllia* p. 97, *le-meslei* **sp. n.** p. 97 fig. Bathonian France, ALLOITEAU.

†*Stereophyllum* p. 45, *floriforme* p. 45 fig., JAKOWLEW.

†*Stibastraea* [as *Stibastrea* (sic)] p. 247, ALLOITEAU.

†*Stiboria* p. 319, ALLOITEAU.

†*Stiboriopsis* p. 284, ALLOITEAU.

†*Streptelasma* aff. *breve*, *integriseptatum*, cf. *integriseptatum*, *patellum* are spp. of *Bighornia* p. 610, DUNCAN.—“*S.*” *conulus* pl. 10, figs. 15, 16, EHLERS & KESLING.—*S. trilobatum* p. 474 fig., cf. *latusculum* p. 474 fig., ROSS, R. J.

†*Streptelasmidae* (?) p. 132 fig., FIRTON.

†*Strobilosmia* **gen. n.** (fam. Smilothrochiidae) p. 88, type sp. (by original designation) *Trochoscemia granifera* p. 88 fig. U. Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Styldiphyllum yokomizoi* **sp. n.** p. 79 fig. U. Carboniferous Japan, YOKOYAMA.

†*Stylina* discussed p. 149, LAFUSTE (3).—See also *Heliostylina*.

†*Stylinidae* p. 249, ALLOITEAU.—*S.* discussed p. 149, LAFUSTE (3).

†*Stylocoenia* [as *Stylocaenia* (sic)] p. 58, *emarciata* fig. 15, ALLOITEAU.

†*Stylocoeniella* [as *Stylocaeniella* (sic)] p. 59, ALLOITEAU.

†*Stylocoeniidae* **fam. n.** p. 78, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Stylocora* p. 188, ALLOITEAU.

†*Stylomaeandra* p. 301, *regularis* pp. 208, 301 fig., ALLOITEAU.

†*Stylophora garumnica* p. 110 fig., BATALLER.—*S. aff. raristella* [as *rairstella* (sic)] p. 233 fig., SILVA.

†*Stylophyllopsis mojsvárii* p. 99 fig., cf. *polyactis* p. 99 fig., cf. *timorica* p. 99 fig., KOLOSVÁRY (5).

†*Stylosmia* pp. 359, 361, 362, *melchii* p. 360, *dichotomum* p. 360, *trapeziformis* a sp. of *Eunomia* p. 361, ALLOITEAU.

†*Summigaraea* p. 285, *reticulata* p. 285 fig., ALLOITEAU.

Symphyllia p. 263, *sinuosa* p. 263 fig., ALLOITEAU.

†*Synaptophyllum multicaule* probably = *Lithostrotion harmodites* p. 260, EASTON.

Synaraea see *Porites*.

†*Synastraea* [as *Synastrea* (sic)] p. 202, *agaricites* p. 202 fig., *maeandra* [as *meandra* (sic)], *cotteaui*, *haueri* de Fromentel p. 212, *toucasi* (= *agaricites* de Fromentel non Goldfuss) p. 213, *multiradiata* p. 213, *composita* a sp. of *Corbariastraea* p. 215 fig., *splendida* pl. 2, fig. 3, ALLOITEAU.—*S. garumnica* p. 70 fig., *utrillensis* p. 71 fig., BATALLER.

Synastraecidae p. 320, ALLOITEAU.

†*Tabulocaenia* **gen. n.** p. 187, type sp. (by original designation) *rennensis* **sp. n.** pl. 6 fig. 1 no horizon or locality given, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Tabulogyra intersepta* pl. 7, fig. 3, ALLOITEAU.

†*Tabulophyllum verrucosum* p. 100 fig., [ISKYUL].

†*Tachylasma* p. 119, *tenue* **sp. n.** p. 119 fig. Carboniferous Russia, [KABAKOVICH (1)].

†*Tarbellastraea* **gen. n.** (fam. Heliastreaeidae) p. 129, type sp. (by original designation) *Heliastrea ellisi* p. 128 fig. Miocene France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Taxogyra* p. 254, *macrореina* p. 254, ALLOITEAU.

†*Tenuiphyllum uralicum* a sp. of *Entelophyllum* p. 142, [SUITOVA].

†*Thalamocoenia* [as *Thalamocaenia* (sic)] p. 140, *ornata* p. 139, *conferta* p. 140 fig., ALLOITEAU.

†*Thamnasteria* p. 201, *lamourouxii* neotype chosen pp. 201, 210 fig., *arachnoides*,

lomontiana, *concinna*, *thurmanni* p. 210, *rectilamellosa*, *norica* p. 212, *exaltata* and *montuosa* are spp. of *Corbariastraea* p. 215, *saltensis* the type sp. of *Saltastraea* p. 215, *ambigua* is partly *Ellipsocoenia*, partly *Polyastropsis* and partly *Parasynastraea* p. 218, *foliacea* is ? *Morphasstraea* p. 298, *renevieri*, *calloviensis*, *terquemii*, *rectilamella* and *alpina* are spp. of *Periseris* p. 299, *haueri* fig. 147, ALLOITEAU.—*T.* sp. or *Physophyllia* sp. p. 648 fig., ARAI.—*T. tetrapartita* **sp. n.** p. 82, 84 fig. Lower Cretaceous Hungary, KOLOSÁVÁRY (4).

Thamnasteriidae p. 291, ALLOITEAU.
—*T.* p. 21, NEMENZO.

†Thamnophyllidae p. 83, RÓZKOWSKA.

†Thamnophyllinae **subfam. n.** (of Thamnophyllidae) p. 83, RÓZKOWSKA *Acta palaeont. Polon.* 2 2/3 1957.

†Cf. *Thamnophyllum munchisoni* p. 127 fig., FIRTION.—*T. dyeri* **sp. n.** p. 26 fig. Devonian Ontario, FRITZ, LEMON & NORRIS.—*T.* p. 84, *kunthi* p. 84 fig., *kozłowskii* p. 85 fig., *kozłowskii superius* p. 89, *caespitosum* p. 89 fig., *trigemme*, *trigemme pajchetae* p. 89, *skalense* p. 89 fig., RÓZKOWSKA.

†*Thamnoseris* p. 208, ALLOITEAU.

†*Thamnospilia* p. 365, ALLOITEAU.

†*Thecidiosmilia* p. 367, ALLOITEAU.

†*Thecocyathus suevicus* p. 350, ALLOITEAU.

†*Thecophyllia* p. 104, ALLOITEAU.

†*Thecoseriopsis* **gen. n.** (fam. Procycolitidae) pl. 9, fig. 2, type sp. (by original designation) *corbariensis* pl. 9, fig. 2 no horizon or locality given, ALLOITEAU *Contrib. Syst. Madr. foss.* 1957.

†*Thecosmilia catalaunica* p. 51 fig., *marginata* p. 52 fig., BATALLER.—*T.* cf. *defilippi* p. 97 fig., KOLOSÁVÁRY (5).

†*Thysanophyllum* p. 68, *simplex* p. 68 fig., [GHORSKI].

†*Timania mosquensis* the type sp. of *Pseudotimania* p. 8 [DOBROLYUBOVA & KABAKOVICH].

†*Timorphyllum* p. 372, *wanneri ajermatiensis* p. 372 fig., SCHOUPPE.

†*Toechastraea* pp. 54, 67, ALLOITEAU.—*T.* cf. *oppeli* p. 97 fig., KOLOSÁVÁRY (5).

†*Tortophyllum cysticum* p. 28 fig., FRITZ, LEMON & NORRIS.

Trachyphyllia p. 259, *amarantum* p. 259, ALLOITEAU.

†*Trechmannaria* p. 284, ALLOITEAU.

†*Trematophyllum* ex gr. *schulzi* p. 125 fig., FIRTION.

Tridacophyllia p. 244, ALLOITEAU.

Tridacophylliidae [as Tridacophyllidae (sic)] **fam. n.** p. 263, ALLOITEAU *Contrib. Syst. Madr. foss.* 1957.

Tridacophylliinae **sub-fam. n.** (of Tridacophylliidae) p. 245, ALLOITEAU *Contrib. Syst. Madr. foss.* 1957.

†*Trigerastraea* p. 287, *trigeri* p. 288 fig., ALLOITEAU.

†*Triphyllocoenia* [as *Triphyllocaenia* (sic)] p. 71, *excavata* p. 71, pl. 15, fig. 3, pl. 16, fig. 3, ALLOITEAU.

†*Trismilia* a junior synonym of *Pleurosmilia* p. 369, ALLOITEAU.

†*Trocharaea* p. 338, ALLOITEAU.

†*Trochophyllia* **gen. n.** (fam. Smilotrochiidae) p. 110, type sp. (by original designation) *Montlivaltia melania* p. 110 fig. Rauracian France, *goldfussi* p. 111, ALLOITEAU *Contrib. Syst. Madr. foss.* 1957.

†*Trochoplegma* p. 338, ALLOITEAU.

†*Trochoseris distortum* [as *distoria* (sic) p. 370] = *Cyathoseris infundibulum* pp. 370, 395, ALLOITEAU.

†*Trochosmilia* p. 81, *discus* is a junior synonym of *Montlivaltia pateriforme* p. 84, *arcuata* is a *Phyllosmilia* p. 84, *obliqua* de Fromentel non d'Orbigny renamed *Acrosmilia fromenteli* p. 85, *archiaci* the type sp. of *Aulosmilia* p. 85, *inconstans* the type sp. of *Phragmosmilia* p. 86 *didyma* the type sp. of *Rennensismilia* p. 86 *flabellum* the type sp. of *Maeandrosmilia* p. 87, *cenomana* the type sp. of *Parasmiliopsis* p. 87, *granifera* the type sp. of *Strobilosmilia* p. 88, *humilis* the type sp. of *Carantoseris* p. 88, *raricosta* and *brevis* are probably *Ceratospilia* p. 116, *corniculum* figs. 22–24, ALLOITEAU.—*T. carringtoni* p. 79 fig., *guerini* p. 80 fig., *malladai* p. 81 fig., *manduleyi* p. 82 fig., *marini* p. 83 fig., *neviani* p. 84 fig., *osensis* p. 84 fig., *portisi* p. 85 fig., *sandalina* p. 86 fig., BATALLER.

†*Tryplasma radícula* pl. 10, figs. 7, 8, EHLERS & KESLING.—*T. praecox* **sp. n.**

p. 155 Ordovician or Silurian Baltic area, *hemicymatelasma* p. 156 fig., KALJO.

Ulophyllia see *Oulophyllia*.

†*Ulophyllia* p. 161, *U.* [as *Oulophyllia* (sic)] *turbinata* the type sp. of *Comophylliopsis* p. 294, ALLOITEAU.

†*Uralinia* p. 60, *multiplex* p. 60 fig., [GHORSKII].

†*Uxacalcaraea* [as *Uxalcacareaea* (sic)] **gen. n.** (fam. ? *Microsolenidae*) p. 220, type sp. (by original designation) *heberti* **sp. n.** p. 221 fig. *U.* Cretaceous France, *uxacalcensis* **sp. n.** pl. 9, fig. 12 no horizon or locality given, *micraxon* p. 222, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Vallaculastraea* **gen. n.** (fam. *Synastracidae*) p. 322, type sp. (by original designation) *jauberti* **sp. n.** p. 322 fig. Lower Cretaceous France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Vallimeandra* [sic] **gen. n.** (fam. *Andemantastracidae*) p. 289, type sp. (by original designation) *Oroseris explanata* p. 289 fig. Lr. Cretaceous France, *neocomiensis* p. 311, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Valliseris* **gen. n.** (fam. *Lati-maeandriidae*) p. 319, type sp. (by original designation) *rennensis* **sp. n.** p. 319 Cenomanian France, ALLOITEAU Contrib. Syst. Madr. foss. 1957.

†*Valloria* pp. 168, 325, *egozcuei* pp. 168, 257, 325 fig., ALLOITEAU.—*V. egozcuei* p. 62 fig., BATALLER.

†*Waagenophyllum* pp. 326, 335, *simplex* pp. 327, 336 fig., *lui* pp. 327, 335 fig., **spp. n.**, *indicum* var. *crassiseptatum* **var. n.** pp. 328, 336 fig., Permian China, *sp.* pp. 328, 337 fig., WU.—*W.* dis-

cussed pp. 74, 78, cf. *chitralicum* p. 74, *columbicum* designated type sp. of *Heritschioides* p. 75, *persicum*, *tabellatum* and perhaps *muricatum* are *Huangia* p. 76, *omiense* not a *Waagenophyllum* p. 76, YABE.

†*Ratsengia* discussed pp. 75, 78, YABE.

†*Zaphrentis radícula* a sp. of *Rotiphyllum* p. 623, EASTON (1).—*Z.* p. 57, *koninki* p. 57 fig., *delanoui* p. 58 fig., [GHORSKII].

†*Zaphrentoididae* p. 361, SCHOUPPÉ.

†*Zaphrentoidinae* p. 362, SCHOUPPÉ.

†*Zittelofungia* p. 335, type sp. *Cyclolites alpina* Duncan non d'Orbigny p. 335, *alpina* d'Orbigny the type sp. of *Funginellastraea* pp. 335, 344, 345, ALLOITEAU.

Zoanthus somaliae **sp. n.** p. 19 fig. Italian Somaliland, PAX & MÜLLER.—*Z. erythrochloros* p. 5 fig., *viet-namensis* p. 8 fig., *cavernarum* p. 11 fig., *cyanoides* p. 14 fig., *gnophodes* p. 19 fig., **spp. n.** Viet-Nam, *robustus* p. 16 fig., PAX & MÜLLER (1).

CTENOPHORA

Beroë discussed pp. 92, 100, CHIU (3).—*B. cucumis* p. 1, KRAMP (4).

Ocyropsis crystallina p. 37 fig., CHIU.—*O. crystallina* pp. 92, 100 fig., CHIU (3).

Pleurobrachia p. 86, *globosa* pp. 86, 99 fig., CHIU (3).

INCERTAE SEDIS

†*Neanthozoites* see *Zoantharia*.

†*Pachythea stellimicans* p. 149 fig., FIRTION.

